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NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 JUL 02 LMEDLINE coverage updated
NEWS 3 JUL 02 SCISEARCH enhanced with complete author names
NEWS 4 JUL 02 CHEMCATS accession numbers revised
NEWS 5 JUL 02 CA/CAplus enhanced with utility model patents from China
NEWS 6 JUL 16 CAplus enhanced with French and German abstracts
NEWS 7 JUL 18 CA/CAplus patent coverage enhanced
NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9 JUL 30 USGENE now available on STN
NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 11 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 12 AUG 13 CA/CAplus enhanced with additional kind codes for granted patents
NEWS 13 AUG 20 CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 14 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 15 AUG 27 USPATOLD now available on STN
NEWS 16 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 17 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 18 SEP 13 FORIS renamed to SOFIS
NEWS 19 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 20 SEP 17 CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 21 SEP 17 CAplus coverage extended to include traditional medicine patents
NEWS 22 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 23 OCT 02 CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 24 OCT 19 BEILSTEIN updated with new compounds

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

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FILE 'HOME' ENTERED AT 12:48:12 ON 13 NOV 2007

FILE 'CAPLUS' ENTERED AT 12:48:26 ON 13 NOV 2007
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FILE COVERS 1907 - 13 Nov 2007 VOL 147 ISS 21
FILE LAST UPDATED: 12 Nov 2007 (20071112/ED)

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 NOV 2007 HIGHEST RN 953132-99-5
DICTIONARY FILE UPDATES: 12 NOV 2007 HIGHEST RN 953132-99-5

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stnqgen/stndoc/properties.html>

```
=> s stearyl bromide
    2777 STEARYL
    177388 BROMIDE
    29 BROMIDES
    177388 BROMIDE
        (BROMIDE OR BROMIDES)
L1      5 STEARYL BROMIDE
        (STEARYL(W) BROMIDE)

=> s stearyl bromide/cn
L2      1 STEARYL BROMIDE/CN

=> s methylenedicyclohexyl diioscyanate
    21 METHYLENEDICYCLOHEXYL
    0 DIOISCYANATE
L3      0 METHYLENEDICYCLOHEXYL DIOISCYANATE
        (METHYLENEDICYCLOHEXYL(W) DIOISCYANATE)

=> s dimethylehanolamine
    0 DIMETHYLEHANOLAMINE
L4      0 DIMETHYLEHANOLAMINE

=> s dimethylethanolamine
L5      594 DIMETHYLETHANOLAMINE

=> s dimethylethanolamine/cn
L6      1 DIMETHYLETHANOLAMINE/CN

=> d 2 str cn rn
    1 ANSWERS ARE AVAILABLE.  SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE
The answer numbers requested are not in the answer set.
ENTER ANSWER NUMBER OR RANGE (1):L2
ANSWER NUMBERS NOT CORRECTLY SPECIFIED
Enter an answer number,           Example: 10
several answer numbers,          Example: 3,7,10
a range of answer numbers,      Example: 5-10
or a combination of these.      Example: 3,7,9-10,15
ENTER ANSWER NUMBER OR RANGE (1):2
    1 ANSWERS ARE AVAILABLE.  SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE
The answer numbers requested are not in the answer set.
ENTER ANSWER NUMBER OR RANGE (1):end

=> d L2 str cn rn
L2  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2007 ACS on STN
```

Me—(CH₂)₁₇—Br

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

```
CN  Octadecane, 1-bromo- (CA INDEX NAME)
OTHER NAMES:
CN  1-Bromoocatadecane
CN  n-Octadecyl bromide
CN  NSC 5542
CN  Octadecyl bromide
CN  Stearyl bromide
RN  112-89-0  REGISTRY
```

```
=> d L6 str cn rn
```

Me₂N—CH₂—CH₂—OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN Ethanol, 2-(dimethylamino)- (CA INDEX NAME)

OTHER NAMES:

CN (2-Hydroxyethyl)dimethylamine

CN (Dimethylamino)ethanol

CN (N,N-Dimethylamino)ethanol

CN β -(Dimethylamino)ethanol

CN β -Dimethylaminoethyl alcohol

CN β -Hydroxyethyldimethylamine

CN 2-(Dimethylamino)ethanol

CN 2-(Dimethylamino)ethyl alcohol

CN 2-(N,N-Dimethylamino)ethanol

CN Amietol M 21

CN Aminoalcohol 2mabs

CN Bimanol

CN Dabco DMEA

CN Deanol

CN Dimethol

CN Dimethyl(2-hydroxyethyl)amine

CN Dimethyl(hydroxyethyl)amine

CN Dimethylethanolamine

CN Dimethylmonoethanolamine

CN DMAE

CN DMEA

CN Jeffcat DMEA

CN Kalpur P

CN Lupragen N 101

CN N,N-Dimethyl(2-hydroxyethyl)amine

CN N,N-Dimethyl- β -hydroxyethylamine

CN N,N-Dimethyl-2-aminoethanol

CN N,N-Dimethyl-N-(β -hydroxyethyl)amine

CN N,N-Dimethylethanolamine

CN N-(2-Hydroxyethyl)-N,N-dimethylamine

CN N-(2-Hydroxyethyl)dimethylamine

CN Niax DMEA

CN Norcholine

CN NSC 2652

CN PC CAT DMEA

CN Propamine A

CN Rexolin

CN Texacat DME

CN Texacat DMEA

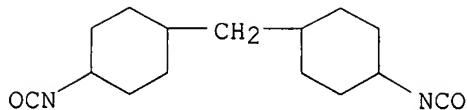
CN Thancat DME

RN 108-01-0 REGISTRY

=> s 5124-30-1

L7 1 5124-30-1
(5124-30-1/RN)

=> d str cn L7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN Cyclohexane, 1,1'-methylenebis[4-isocyanato- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Isocyanic acid, methylenedi-1,4-cyclohexylene ester (6CI)
CN Isocyanic acid, methylenedi-4,1-cyclohexylene ester (7CI, 8CI)
OTHER NAMES:
CN 1,1-Methylene bis(4-isocyanatocyclohexane)
CN 4,4'-Dicyclohexylmethylen diisocyanate
CN 4,4'-Diisocyanatodicyclohexylmethane
CN 4,4'-Methylenebis(cyclohexyl isocyanate)
CN 4,4'-Methylenedicyclohexyl diisocyanate
CN 4,4'-Methylenedicyclohexylene diisocyanate
CN Bis(4-isocyanatocyclohexyl)methane
CN Dicyclohexylmethane 4,4'-diisocyanate
CN Hydrogenated MDI
CN Methylenebis(1,4-cyclohexylene) diisocyanate
CN Methylenebis(4-cyclohexyl isocyanate)
CN Methylenebis(4-isocyanatocyclohexane)
CN Methylenedi-1,4-cyclohexylene isocyanate
CN Methylenedi-4,1-cyclohexylene isocyanate
CN Methylenedi-4-cyclohexylene diisocyanate
CN Methylenedicyclohexylene-4,4'-diisocyanate

FILE 'CAPLUS' ENTERED AT 12:57:05 ON 13 NOV 2007
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FILE COVERS 1907 - 13 Nov 2007 VOL 147 ISS 21
FILE LAST UPDATED: 12 Nov 2007 (20071112/ED)

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=> s L7
L8 1371 L7

```
=> s 5124-30-1
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.
```

```
L10      1371 L9
```

```
=> s L6
L11      6371 L6
```

```
=> s L2
L12      1034 L2
```

```
=> s L8 and L10
L13      1371 L8 AND L10
```

```
=> s polyethylene glycol
    373112 POLYETHYLENE
    14082 POLYETHYLENES
    377439 POLYETHYLENE
        (POLYETHYLENE OR POLYETHYLENES)
    381280 GLYCOL
    47207 GLYCOLS
    397447 GLYCOL
        (GLYCOL OR GLYCOLS)
L14      111632 POLYETHYLENE GLYCOL
        (POLYETHYLENE (W) GLYCOL)
```

```
=> s L13 and L14
L15      110 L13 AND L14
```

```
=> s L15 and L12
L16      0 L15 AND L12
```

```
=> dup rem L15
PROCESSING COMPLETED FOR L15
L17      110 DUP REM L15 (0 DUPLICATES REMOVED)
```

```
=> d L17 and (AY<2002 or PRY<2002 or PY<2002)
'AND' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'
```

The following are valid formats:

```
ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data and PI table (default)
CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data
CLASS ----- IPC, NCL, ECLA, FTERM
DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
FAM ----- AN, PI and PRAI in table, plus Patent Family data
FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
```

PATS ----- PI, SO
SAM ----- CC, SX, TI, ST, IT
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
SCAN must be entered on the same line as the DISPLAY,
e.g., D SCAN or DISPLAY SCAN)
STD ----- BIB, CLASS

IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels
ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms
HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
containing hit terms
HITRN ----- HIT RN and its text modification
HITSTR ----- HIT RN, its text modification, its CA index name, and
its structure diagram
HITSEQ ----- HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields
KWIC ----- Hit term plus 20 words on either side
OCC ----- Number of occurrence of hit term and field in which it occurs

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ENTER DISPLAY FORMAT (BIB):end

```
=> s L17 and (AY<2002 or PRY<2002 or PY<2002)
L18      110 S L17
        4191155 AY<2002
        3668284 PRY<2002
        21918208 PY<2002
L19      79 L18 AND (AY<2002 OR PRY<2002 OR PY<2002)
```

```
=> s PEG
        42799 PEG
        1379 PEGS
L20      43368 PEG
        (PEG OR PEGS)
```

```
=> s L19 and L20
L21      5 L19 AND L20
```

```
=> d 1-5 L21 ibib abs
```

L21 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2001:97363 CAPLUS
 DOCUMENT NUMBER: 134:296447
 TITLE: Preparation and physical properties of the polyurethane microgels based on poly(caprolactone) diol/poly(ethylene glycol)
 AUTHOR(S): Lim, Jeong Soo; Kim, Kong Soo; Lee, Moo Jae; Lee, Young Geun
 CORPORATE SOURCE: Department of Chemical Engineering, Chungbuk National University, Cheongju, 361-763, S. Korea
 SOURCE: Polymer (Korea) (2001), 25(1), 41-48
 CODEN: POLLGD; ISSN: 0379-153X
 PUBLISHER: Polymer Society of Korea
 DOCUMENT TYPE: Journal
 LANGUAGE: Korean
 AB Polyurethane (PU) microgels were synthesized from poly(caprolactone) diol (PCD) and/or polyethylene glycol (PEG), diisocyanate and 1,2,6-hexanetriol by solution polymerization method. A critical gelation concentration of the PU microgels with, mole ratios of PCD/PEG were the important factors influencing the formation and property microgel or macrogels. The phys. and thermal properties of the PU microgels prepared with depending upon the structure of diisocyanate, mole ratio of PCD/PEG, and mol. weight of PEG were investigated. PU microgels were distributed by polydisperse, spherical small particles below 300 nm and showed properties of low viscosity.

L21 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2000:741971 CAPLUS
 DOCUMENT NUMBER: 133:313688
 TITLE: Lubricious coatings for medical devices
 INVENTOR(S): Hsu, Li-Chien; Hu, Can B.; Tong, Sun-De
 PATENT ASSIGNEE(S): Edwards Lifesciences Corporation, USA
 SOURCE: PCT Int. Appl., 59 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------------|
| WO 2000061205 | A1 | 20001019 | WO 2000-US9344 | 20000408 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 6340465 | B1 | 20020122 | US 1999-290501 | 19990412 <-- |
| JP 2002541310 | T | 20021203 | JP 2000-610536 | 20000408 <-- |
| PRIORITY APPLN. INFO.: | | | US 1999-290501 | A 19990412 <-- |
| | | | WO 2000-US9344 | W 20000408 <-- |

AB Biocompatible surfaces on medical devices, particularly those formed of synthetic materials, are produced by providing coating compds. having crosslinked regions capable of entrapping biocompatible mols. on the surfaces of medical devices in order to form a stable base layer. The crosslinked base layer is lubricious and is able to function as an entrapping or coupling site for addnl. biocompatible agents, which may be stably incorporated into its crosslinked lattice. Thus, the coatings of the present invention have enhanced lubricity and may also have

antimicrobial, protein-repelling, and/or antithrombotic properties. Thus, a solution contained polyethyleneimine 0.3, PVP 0.3, heparin complex 0.3, stannous octoate 0.03, and PROH 300 g. Polyurethane (PU) tubes were first soaked in a 0.2% Denacol 411/GENESOLV solution for 30 s. After drying, the PU tubes are soaked in the above solution for 30 s and then dried in a 650° oven for 2 h. Then the tubes were sterilized in ETO. The PU tubes had a pull force of 0.79 lb after a 30-day treatment.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:477062 CAPLUS
DOCUMENT NUMBER: 131:258264
TITLE: UV-curable poly(ethylene glycol)-based polyurethane acrylate hydrogel
AUTHOR(S): Kim, Byung Kyu; Paik, Sang Hyun
CORPORATE SOURCE: Department of Polymer Science and Engineering and Research Institute of Industrial Technology, Pusan National University, Pusan, 609-735, S. Korea
SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry (1999), 37(15), 2703-2709
CODEN: JPACEC; ISSN: 0887-624X
PUBLISHER: John Wiley & Sons, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Poly(ethylene glycol) (PEG) with mol. weight (Mn) of 1000, 2000, 3000, and 4000 g/mol, four types of diisocyanate [hexamethylene diisocyanate (HDI), 4,4'-dicyclohexylmethane diisocyanate (H12MDI), isophorone diisocyanate (IPDI), and toluene diisocyanate (TDI)], two types of comonomers [acrylamide (AAM) and acrylic acid (AAc)] that comprised up to 60% of the total solid were used to prepare UV-curable PEG-based polyurethane (PU) acrylate hydrogel. The gels were evaluated in terms of mech. properties, water content as a function of immersion time and pH, and X-ray diffraction profiles of dry and swollen films.

REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:643799 CAPLUS
DOCUMENT NUMBER: 129:247594
TITLE: Influences of adding LiCF₃SO₃-PC on the conductivity of H12MDI based WPU electrolytes
AUTHOR(S): Luo, Shih-Sheng; Cheng, Tsung-Tien; Wen, Ten-Chin
CORPORATE SOURCE: Department of Chemical Engineering, National Cheng Kung University, Tainan, 70101, Taiwan
SOURCE: Journal of the Chinese Institute of Chemical Engineers (1998), 29(4), 239-248
CODEN: JCICAP; ISSN: 0368-1653
PUBLISHER: Chinese Institute of Chemical Engineers
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Waterborne polyurethane synthesized from 4,4'-methylenebis (cyclohexyl isocyanate) (H12MDI), polyethylene glycol (PEG), and di-Me propionic acid (DMPA) was employed as the matrix of polymer electrolytes. The influences of adding various of LiCF₃SO₃-PC on the conductivity of WPU-based electrolytes and the voltammetric behavior at lithium/WPU interface are investigated by AC impedance anal. and cyclic voltammetry. The conductivities calculated from the results of AC impedance obey Arrhenius law with the activation energy of 10.33 kcal/mol, 9.82 kcal/mol, and 8.31 kcal/mol at 10%, 30%, and 50% of LiCF₃SO₃-PC, resp. On the basis of CV results, the lithium stripping/depositing processes were found to be facile at the lithium/WPU electrolyte interface. Comparisons of the conductivity as well as the voltammetric behavior of H12MDI based WPU electrolytes and those of IPDI based WPU electrolytes are made to clarify

the differences between two hard segments.

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:631822 CAPLUS
DOCUMENT NUMBER: 129:317347
TITLE: Water-swellable polyurethane compositions for films with improved light resistance and high moisture permeability
INVENTOR(S): Enomoto, Masaho; Kobayashi, Junji
PATENT ASSIGNEE(S): Seikoh Chemicals Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------|------|----------|-----------------|--------------|
| JP 10259302 | A | 19980929 | JP 1997-85796 | 19970318 <-- |
| JP 3299471 | B2 | 20020708 | | |

PRIORITY APPLN. INFO.: JP 1997-85796 19970318 <--

AB The compns. useful for fabrics, etc., contain (a) hydrophilic polyurethanes having active H in terminals and side chains, obtained by reaction of organic diisocyanates with monomers containing ≥ 2 active H and polyfunctional monomers containing ≥ 3 active H, and (b) crosslinking agents comprising polyisocyanates or aminoplasts. Thus, a mixture containing a polycarbonate diol 200, polyethylene glycol 800, and hexylene glycol 59 parts were reacted with dicyclohexylmethane-4,4'-diisocyanate 524, aminoethylmethanolamine 52, and 3-aminomethyl-3,5,5-trimethylcyclohexylamine 85 parts and further reacted with monoethanolamine to give a polyurethane having active H, 100 parts of which was mixed with 3 parts Coronate HL (a reaction product of trimethylolpropane and a diisocyanate) and Me Et ketone to give a title composition. Then, the composition was applied on a release paper, cured, and removed from the paper to give a film.

=> d L19 1-10

L19 ANSWER 1 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:481814 CAPLUS
DN 139:53980
TI Laminated polyolefin films coated with crosslinked acrylic polymer layers
IN Sugino, Go; Takeda, Yuji; Tsuruhara, Koji
PA Mitsubishi Chemical MKV Co., Japan
SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------|------|----------|-----------------|--------------|
| PI JP 2003176373 | A | 20030624 | JP 2002-283380 | 20020927 <-- |
| JP 3794364 | B2 | 20060705 | | |
| PRAI JP 2001-302206 | A | 20010928 | <-- | |

L19 ANSWER 2 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:369022 CAPLUS
DN 138:355016
TI Leather substitutes with freedom from resin migration due to heat-sensitive coagulation

IN Iwasaki, Yoshiyuki; Kobayashi, Yoshio; Ueno, Yoshiyuki
 PA Sanyo Chemical Industries, Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|--------------|-----------------|--------------|
| PI | JP 2003138131 | A | 20030514 | JP 2002-90367 | 20020328 <-- |
| | JP 3940013 | B2 | 20070704 | | |
| PRAI | JP 2001-251045 | A | 20010822 <-- | | |

L19 ANSWER 3 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2002:480423 CAPLUS
 DN 137:34270
 TI Silver-attached polyurethane artificial leather for sporting glove
 IN Endo, Yoshiki; Akamata, Kazuto
 PA Kuraray Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|--------------|-----------------|--------------|
| PI | JP 2002180383 | A | 20020626 | JP 2000-376751 | 20001212 <-- |
| PRAI | JP 2000-376751 | | 20001212 <-- | | |

L19 ANSWER 4 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2002:428974 CAPLUS
 DN 137:21505
 TI Photochromic naphthopyran imbibition compositions containing kinetic enhancing additives, manufacturing process and photochromic articles thereof
 IN Misura, Michael S.; Kumar, Anil
 PA PPG Industries Ohio, Inc., USA
 SO PCT Int. Appl., 65 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|--------------|
| PI | WO 2002044258 | A2 | 20020606 | WO 2001-US44925 | 20011115 <-- |
| | WO 2002044258 | A3 | 20030227 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | US 6433043 | B1 | 20020813 | US 2000-724145 | 20001128 <-- |
| | CA 2429592 | A1 | 20020606 | CA 2001-2429592 | 20011115 <-- |
| | AU 200227053 | A | 20020611 | AU 2002-27053 | 20011115 <-- |
| | BR 2001015893 | A | 20040225 | BR 2001-15893 | 20011115 <-- |
| | JP 2004514774 | T | 20040520 | JP 2002-546619 | 20011115 <-- |
| | EP 1340108 | B1 | 20060315 | EP 2001-996013 | 20011115 <-- |
| | R: DE, ES, FR, GB, IT | | | | |
| | ES 2260332 | T3 | 20061101 | ES 2001-1996013 | 20011115 <-- |
| | ZA 2003003947 | A | 20040521 | ZA 2003-3947 | 20030521 <-- |

| | | | | |
|---------------------|----|----------|----------------|--------------|
| MX 2003PA04696 | A | 20030819 | MX 2003-PA4696 | 20030528 <-- |
| JP 2006052408 | A | 20060223 | JP 2005-241891 | 20050823 <-- |
| PRAI US 2000-724145 | A | 20001128 | <-- | |
| JP 2002-546619 | A3 | 20011115 | <-- | |
| WO 2001-US44925 | W | 20011115 | <-- | |
| OS MARPAT 137:21505 | | | | |

L19 ANSWER 5 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2002:400379 CAPLUS

DN 136:402850

TI Adhesives for dry or solvent-free lamination and laminated packaging materials and bags therefrom

IN Yoshinaga, Masanobu; Suzuta, Keiko

PA Toppan Printing Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 18 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------|------|----------|-----------------|--------------|
| PI JP 2002155260 | A | 20020528 | JP 2001-274849 | 20010911 <-- |
| PRAI JP 2000-274874 | A | 20000911 | <-- | |

L19 ANSWER 6 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2002:368279 CAPLUS

DN 136:374516

TI Composition for bleaching or permanent waving of keratinous fibers comprising a cationic associative polyurethane

IN Legrand, Frederic; De la Mettrie, Roland

PA L'oreal, Fr.

SO PCT Int. Appl., 49 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|--------------|
| PI WO 2002038118 | A1 | 20020516 | WO 2001-FR3430 | 20011106 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR 2816210 | A1 | 20020510 | FR 2000-14321 | 20001108 <-- |
| FR 2816210 | B1 | 20050225 | | |
| AU 200223760 | A | 20020521 | AU 2002-23760 | 20011106 <-- |
| EP 1335698 | A1 | 20030820 | EP 2001-993451 | 20011106 <-- |
| EP 1335698 | B1 | 20070117 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| BR 2001015653 | A | 20030902 | BR 2001-15653 | 20011106 <-- |
| JP 2004513141 | T | 20040430 | JP 2002-540708 | 20011106 <-- |
| ES 2279840 | T3 | 20070901 | ES 2001-1993451 | 20011106 <-- |
| MX 2003PA03947 | A | 20030819 | MX 2003-PA3947 | 20030502 <-- |
| US 2004034946 | A1 | 20040226 | US 2003-415937 | 20030507 <-- |
| US 7077869 | B2 | 20060718 | | |
| PRAI FR 2000-14321 | A | 20001108 | <-- | |
| WO 2001-FR3430 | W | 20011106 | <-- | |
| OS MARPAT 136:374516 | | | | |

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 7 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2002:368277 CAPLUS
DN 136:374515
TI Bleaching composition for keratinous fibers comprising an associative polyurethane
IN Legrand, Frederic; De la Mettrie, Roland
PA L'oreal, Fr.
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|--------------|
| PI | WO 2002038117 | A1 | 20020516 | WO 2001-FR3429 | 20011106 <-- |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | FR 2816209 | A1 | 20020510 | FR 2000-14320 | 20001108 <-- |
| | FR 2816209 | B1 | 20050225 | | |
| | AU 200223759 | A | 20020521 | AU 2002-23759 | 20011106 <-- |
| | EP 1335697 | A1 | 20030820 | EP 2001-993450 | 20011106 <-- |
| | EP 1335697 | B1 | 20070117 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| | BR 2001015462 | A | 20030826 | BR 2001-15462 | 20011106 <-- |
| | JP 2004513140 | T | 20040430 | JP 2002-540707 | 20011106 <-- |
| | ES 2280426 | T3 | 20070916 | ES 2001-1993450 | 20011106 <-- |
| | MX 2003PA03984 | A | 20030819 | MX 2003-PA3984 | 20030506 <-- |
| | US 2004034947 | A1 | 20040226 | US 2003-415953 | 20030507 <-- |
| | US 7066965 | B2 | 20060627 | | |
| PRAI | FR 2000-14320 | A | 20001108 | <-- | |
| | WO 2001-FR3429 | W | 20011106 | <-- | |
| OS | MARPAT 136:374515 | | | | |

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 8 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2002:368275 CAPLUS
DN 136:374514
TI Oxidation dyeing composition for keratinous fibers comprising a cationic associative polyurethane
IN Cottard, Francois; De la Mettrie, Roland
PA L'oreal, Fr.
SO PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|--------------|
| PI | WO 2002038116 | A1 | 20020516 | WO 2001-FR3428 | 20011106 <-- |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, | | | | |

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,
 UG, US, UZ, VN, YU, ZA, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 FR 2816207 A1 20020510 FR 2000-14319 20001108 <--
 FR 2816207 B1 20030103
 CA 2427466 A1 20020516 CA 2001-2427466 20011106 <--
 AU 200223758 A 20020521 AU 2002-23758 20011106 <--
 BR 2001015461 A 20030819 BR 2001-15461 20011106 <--
 EP 1335695 A1 20030820 EP 2001-993449 20011106 <--
 EP 1335695 B1 20040602
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 JP 2004513139 T 20040430 JP 2002-540706 20011106 <--
 AT 268154 T 20040615 AT 2001-993449 20011106 <--
 RU 2238714 C1 20041027 RU 2003-117010 20011106 <--
 PT 1335695 T 20041029 PT 2001-993449 20011106 <--
 ES 2222404 T3 20050201 ES 2001-1993449 20011106 <--
 MX 2003PA03948 A 20030819 MX 2003-PA3948 20030502 <--
 US 2004025266 A1 20040212 US 2003-415952 20030507 <--
 US 7101405 B2 20060905
 PRAI FR 2000-14319 A 20001108 <--
 WO 2001-FR3428 W 20011106 <--
 OS MARPAT 136:374514
 RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 9 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2002:368274 CAPLUS
 DN 136:374513
 TI Direct dyeing composition for keratinous fibers comprising a cationic
 associative polyurethane
 IN Cottard, Francois; De la Mettrie, Roland
 PA L'oreal, Fr.
 SO PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|--------------|
| PI | WO 2002038115 | A1 | 20020516 | WO 2001-FR3427 | 20011106 <-- |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR | 2816208 | A1 | 20020510 | FR 2000-14322 | 20001108 <-- |
| FR | 2816208 | B1 | 20030103 | | |
| AU | 200223757 | A | 20020521 | AU 2002-23757 | 20011106 <-- |
| EP | 1335694 | A1 | 20030820 | EP 2001-993448 | 20011106 <-- |
| EP | 1335694 | B1 | 20060920 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| JP | 2004513138 | T | 20040430 | JP 2002-540705 | 20011106 <-- |
| AT | 339992 | T | 20061015 | AT 2001-993448 | 20011106 <-- |
| ES | 2271107 | T3 | 20070416 | ES 2001-1993448 | 20011106 <-- |
| BR | 2003000082 | A | 20041013 | BR 2003-82 | 20030106 <-- |

| | | | | |
|--------------------|----|----------|----------------|--------------|
| US 2004019981 | A1 | 20040205 | US 2003-415954 | 20030507 <-- |
| US 7108726 | B2 | 20060919 | | |
| PRAI FR 2000-14322 | A | 20001108 | <-- | |
| WO 2001-FR3427 | W | 20011106 | <-- | |

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 10 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2002:169828 CAPLUS
DN 136:233620
TI Thickeners and viscosity adjusters for aqueous coatings or adhesives
IN Gota, Tetsuya; Hagiwara, Yuji; Beppu, Koji; Nishihara, Ken; Komiya, Kaoru
PA Asahi Denka Kogyo K. K., Japan
SO Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------|------|----------|-----------------|--------------|
| PI JP 2002069430 | A | 20020308 | JP 2000-257193 | 20000828 <-- |
| PRAI JP 2000-257193 | | 20000828 | <-- | |

=> d 11-20 ibib abs
5 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE
The answer numbers requested are not in the answer set.
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ANSWER NUMBERS NOT CORRECTLY SPECIFIED
Enter an answer number, Example: 10
several answer numbers, Example: 3,7,10
a range of answer numbers, Example: 5-10
or a combination of these. Example: 3,7,9-10,15
ENTER ANSWER NUMBER OR RANGE (1):end

=> d L19 11-20 ibib abs

L19 ANSWER 11 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:84282 CAPLUS
DOCUMENT NUMBER: 136:136196
TITLE: Moisture-permeable water-resistant coating composition
for fabric
INVENTOR(S): Takeda, Keiji; Amano, Jiro
PATENT ASSIGNEE(S): Toray Industries, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|--------------|
| JP 2002030576 | A | 20020131 | JP 2000-217300 | 20000718 <-- |
| PRIORITY APPLN. INFO.: | | | JP 2000-217300 | 20000718 <-- |

AB Title composition for coating ≥ 1 side of a fabric sheet is characterized in that (A) the difference of moisture absorption of the coating layer only at 30° and 90% RH and 20° and 65% RH is 6-15; (B) the difference of the coated fabric at 30° and 90% RH and 20° and 65% RH 1-6; and (C) the moisture absorption of the coating layer is larger than that of the coated fabric. Thus, a nylon taffeta was coated with a composition comprising 4,4'-MDI-polyethylene glycol copolymer and crosslinking agent hexamethylene diisocyanate, showing linear expansion coefficient 18%, moisture permeability 21000 g/m²·24 h,

and water resistance 0.3 MPa.

L19 ANSWER 12 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:904308 CAPLUS
DOCUMENT NUMBER: 136:39169
TITLE: Urethane based on organoleptically active aromatic alcohols
INVENTOR(S): Zander, Lars; Gassenmeier, Thomas Otto; Gerke, Thomas; Sauf, Silvia
PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft auf Aktien, Germany
SOURCE: PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|----------------|
| WO 2001094438 | A1 | 20011213 | WO 2001-EP6129 | 20010530 <-- |
| W: AU, BG, BR, BY, CA, CN, CZ, DZ, HU, ID, IL, IN, JP, KR, MX, NO, NZ, PL, RO, RU, SG, SI, SK, UA, US, UZ, VN, YU, ZA | | | | |
| RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR | | | | |
| DE 10028764 | A1 | 20011220 | DE 2000-10028764 | 20000609 <-- |
| AU 2001077497 | A5 | 20011217 | AU 2001-77497 | 20010530 <-- |
| EP 1287053 | A1 | 20030305 | EP 2001-955295 | 20010530 <-- |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR | | | | |
| PRIORITY APPLN. INFO.: | | | DE 2000-10028764 | A 20000609 <-- |
| | | | WO 2001-EP6129 | W 20010530 <-- |

OTHER SOURCE(S): MARPAT 136:39169
AB The invention relates to urethane compds. which release organoleptically active aromatic alcs. (such as geraniol and citronellol), a method for producing said urethane compds., and the use thereof as deodorants in cosmetics, adhesives, lacquers, plastics, and detergents.
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 13 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:842328 CAPLUS
DOCUMENT NUMBER: 135:358708
TITLE: Manufacture of plasticizing agent for polyurethane resins
INVENTOR(S): Kanetani, Koji; Suzuki, Koichi; Yokota, Hirohide
PATENT ASSIGNEE(S): Nippon Polyurethane Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|--------------|
| JP 2001323043 | A | 20011120 | JP 2000-146991 | 20000518 <-- |
| PRIORITY APPLN. INFO.: | | | JP 2000-146991 | 20000518 <-- |
| AB A plasticizer with good compatibility is manufactured by the reaction of a polyalkylene glycol monoalkyl ether with a diisocyanate in a NCO to OH ratio of 1.0-1.5. | | | | |

L19 ANSWER 14 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:452827 CAPLUS
DOCUMENT NUMBER: 135:50859

TITLE: Composition associating two polyurethane polyethers for bleaching or permanent deformation of keratinous fibers
 INVENTOR(S): Legrand, Frederic
 PATENT ASSIGNEE(S): L'oreal, Fr.
 SOURCE: PCT Int. Appl., 46 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------------|
| WO 2001043708 | A1 | 20010621 | WO 2000-FR3140 | 20001110 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR 2802095 | A1 | 20010615 | FR 1999-15681 | 19991213 <-- |
| FR 2802095 | B1 | 20020118 | | |
| AU 2001017107 | A5 | 20010625 | AU 2001-17107 | 20001110 <-- |
| EP 1239819 | A1 | 20020918 | EP 2000-979707 | 20001110 <-- |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| PRIORITY APPLN. INFO.: | | | FR 1999-15681 | A 19991213 <-- |
| | | | WO 2000-FR3140 | W 20001110 <-- |

OTHER SOURCE(S): MARPAT 135:50859
 AB The invention concerns a composition for bleaching or permanent deformation of keratinous fibers, in particular human keratinous fibers such as hair, comprising, in a medium suitable for bleaching or permanent waving, at least a reducing agent and addnl. at least two specific polyurethane polyethers. The invention also concerns methods and devices for bleaching and permanent waving of keratinous fibers using said compns. Thus, a hair bleach composition comprises (in g) citric acid 7.4, trisodium citrate dihydrate 1, hydroxyethylcellulose 1.5, 2-oxoglutaric acid 0.8, sodium ascorbate 5.7, L-cysteine 2, Aculyn-44 0.1, Aculyn-46 0.2, magnesium sulfate 1, and water q.s. to 100 g.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 15 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2001:450870 CAPLUS
 DOCUMENT NUMBER: 135:50857
 TITLE: Composition containing a mixture of two polyurethane polyethers for decoloring keratinic fibers
 INVENTOR(S): Legrand, Frederic
 PATENT ASSIGNEE(S): L'Oreal, Fr.
 SOURCE: Eur. Pat. Appl., 23 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|--------------|
| EP 1108418 | A1 | 20010620 | EP 2000-403211 | 20001117 <-- |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, | | | | |

| IE, SI, LT, LV, FI, RO | | | |
|------------------------|----|----------|-----------------|
| FR 2802094 | A1 | 20010615 | FR 1999-15678 |
| FR 2802094 | B1 | 20020118 | |
| AU 2000071848 | A5 | 20010614 | AU 2000-71848 |
| AU 760359 | B2 | 20030515 | |
| RU 2191568 | C2 | 20021027 | RU 2000-130872 |
| CA 2328561 | A1 | 20010613 | CA 2000-2328561 |
| CN 1302601 | A | 20010711 | CN 2000-137313 |
| BR 2000006480 | A | 20010717 | BR 2000-6480 |
| JP 2001199853 | A | 20010724 | JP 2000-378101 |
| US 2001021376 | A1 | 20010913 | US 2000-734732 |
| US 6444197 | B2 | 20020903 | |

PRIORITY APPLN. INFO.: FR 1999-15678 A 19991213 <--

OTHER SOURCE(S): MARPAT 135:50857

AB A composition for removing hair color is disclosed which comprises, in a milieu appropriate for decoloring, at least one oxidizing agent and at least one combination of two polyurethane polyethers. Said polyurethane polyether may be obtained by polycondensation of a polyethyleneglycol, stearyl alc., and methylene bis(4-cyclohexylisocyanate). Thus, a bleach comprises ceteareth 30 2.2 g, Aculyn 44 0.1 g, Aculyn 46 0.2 g, stabilizers q.s., hydrogen peroxide up to 30 vols. 18 g, phosphoric acid q.s. to pH 2.5, distilled water q.s. to 100 g total.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 16 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:97363 CAPLUS

DOCUMENT NUMBER: 134:296447

TITLE: Preparation and physical properties of the polyurethane microgels based on poly(caprolactone) diol/poly(ethylene glycol)

AUTHOR(S): Lim, Jeong Soo; Kim, Kong Soo; Lee, Moo Jae; Lee, Young Geun

CORPORATE SOURCE: Department of Chemical Engineering, Chungbuk National University, Cheongju, 361-763, S. Korea

SOURCE: Polymer (Korea) (2001), 25(1), 41-48
CODEN: POLLDG; ISSN: 0379-153X

PUBLISHER: Polymer Society of Korea

DOCUMENT TYPE: Journal

LANGUAGE: Korean

AB Polyurethane (PU) microgels were synthesized from poly(caprolactone) diol (PCD) and/or polyethylene glycol (PEG), diisocyanate and 1,2,6-hexanetriol by solution polymerization method. A critical gelation concentration of

the PU microgels with, mole ratios of PCD/PEG were the important factors influencing the formation and property microgel or macrogels. The phys. and thermal properties of the PU microgels prepared with depending upon the structure of diisocyanate, mole ratio of PCD/PEG, and mol. weight of PEG were investigated. PU microgels were distributed by polydisperse, spherical small particles below 300 nm and showed properties of low viscosity.

L19 ANSWER 17 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:741971 CAPLUS

DOCUMENT NUMBER: 133:313688

TITLE: Lubricious coatings for medical devices

INVENTOR(S): Hsu, Li-Chien; Hu, Can B.; Tong, Sun-De

PATENT ASSIGNEE(S): Edwards Lifesciences Corporation, USA

SOURCE: PCT Int. Appl., 59 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------------|
| WO 2000061205 | A1 | 20001019 | WO 2000-US9344 | 20000408 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 6340465 | B1 | 20020122 | US 1999-290501 | 19990412 <-- |
| JP 2002541310 | T | 20021203 | JP 2000-610536 | 20000408 <-- |
| PRIORITY APPLN. INFO.: | | | US 1999-290501 | A 19990412 <-- |
| | | | WO 2000-US9344 | W 20000408 <-- |

AB Biocompatible surfaces on medical devices, particularly those formed of synthetic materials, are produced by providing coating compds. having crosslinked regions capable of entrapping biocompatible mols. on the surfaces of medical devices in order to form a stable base layer. The crosslinked base layer is lubricious and is able to function as an entrapping or coupling site for addnl. biocompatible agents, which may be stably incorporated into its crosslinked lattice. Thus, the coatings of the present invention have enhanced lubricity and may also have antimicrobial, protein-repelling, and/or antithrombotic properties. Thus, a solution contained polyethyleneimine 0.3, PVP 0.3, heparin complex 0.3, stannous octoate 0.03, and PROH 300 g. Polyurethane (PU) tubes were first soaked in a 0.2% Denacol 411/GENESOLV solution for 30 s. After drying, the PU tubes are soaked in the above solution for 30 s and then dried in a 650° oven for 2 h. Then the tubes were sterilized in ETO. The PU tubes had a pull force of 0.79 lb after a 30-day treatment.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 18 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:619578 CAPLUS

DOCUMENT NUMBER: 133:178559

TITLE: Polyurethane-based ion-conductive macromolecule adhesives

INVENTOR(S): Takeda, Kazunari; Sada, Tsutomu

PATENT ASSIGNEE(S): Pionics K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|--------------|
| JP 2000239643 | A | 20000905 | JP 1999-93272 | 19990223 <-- |
| PRIORITY APPLN. INFO.: | | | JP 1999-93272 | 19990223 <-- |

AB The title adhesives, with good mech. strength, comprise crosslinked structure of polyether-polyols [e.g., polyoxyethylene, ethylene oxide-propylene oxide copolymer glycerol ether, ethylene oxide-propylene oxide copolymer diglycerol ether, polyoxyethylene sorbitol ether 2-(methoxy)ethyl glycidyl ether block copolymer] and isocyanates (e.g., Coronate L, IPDI, hydrogenated MDI), polyether-polyesters (e.g., polyethylene glycol di-Me phthalate ester, ethylene oxide-propylene oxide copolymer di-Me phthalate ester) mutually penetrated network structure with the polyether-polyols, electrolytes (e.g., LiClO₄, LiBF₄), and optionally plasticizers.

L19 ANSWER 19 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:612186 CAPLUS
 DOCUMENT NUMBER: 133:208984
 TITLE: Polyester polyamide fiber-based polyurethane laminate
 for artificial leather
 INVENTOR(S): Ikebukuro, Kazunari
 PATENT ASSIGNEE(S): Kuraray Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|--------------|
| JP 2000239974 | A | 20000905 | JP 1999-39943 | 19990218 <-- |
| JP 3967486 | B2 | 20070829 | | |

PRIORITY APPLN. INFO.: JP 1999-39943 19990218 <--
 AB The laminate comprises a surface layer of a polyurethane (thickness 30-400 μm), (A) an intermediate layer of a nonwoven porous polyamide fiber (fineness 0.1-0.0001 deniers)-impregnated polyurethane and (B) an inner layer of a nonwoven porous polyester fiber (fineness 0.1-0.0001 deniers)-impregnated polyurethane, wherein the thickness ratio of A/B is 0.5-5.

L19 ANSWER 20 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2000:34613 CAPLUS
 DOCUMENT NUMBER: 132:79369
 TITLE: Polyacetal resin compositions containing
 polycarbodiimides
 INVENTOR(S): Imaishi, Yasuo; Horie, Naofumi
 PATENT ASSIGNEE(S): Nisshinbo Industries, Inc., Japan
 SOURCE: Eur. Pat. Appl., 10 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|--------------|
| EP 970994 | A1 | 20000112 | EP 1999-113144 | 19990707 <-- |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| JP 2000026703 | A | 20000125 | JP 1998-193289 | 19980708 <-- |
| JP 3349439 | B2 | 20021125 | | |
| US 6214940 | B1 | 20010410 | US 1999-339814 | 19990625 <-- |

PRIORITY APPLN. INFO.: JP 1998-193289 A 19980708 <--
 AB The title compns. are free from the problems of conventional polyacetal resins and have good water resistance at high temps. Thus, a film contained 100 parts polyacetal and 3 parts 4,4'-dicyclohexylmethanecarbodiimide (d.p. 10) (I) prepared by the carbodiimidization of 4,4'-dicyclohexylmethane diisocyanate and had 10% weight-loss temperature 288°, compared with 280° without I.

REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s L19 and cationic
 138924 CATIONIC
 214 CATIONICS
 138998 CATIONIC
 (CATIONIC OR CATIONICS)
 L22 8 L19 AND CATIONIC

=> d 1-8 L22 ibib abs

L22 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:368279 CAPLUS
DOCUMENT NUMBER: 136:374516
TITLE: Composition for bleaching or permanent waving of
keratinous fibers comprising a cationic
associative polyurethane
INVENTOR(S): Legrand, Frederic; De la Mettrie, Roland
PATENT ASSIGNEE(S): L'oreal, Fr.
SOURCE: PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------------|
| WO 2002038118 | A1 | 20020516 | WO 2001-FR3430 | 20011106 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR 2816210 | A1 | 20020510 | FR 2000-14321 | 20001108 <-- |
| FR 2816210 | B1 | 20050225 | | |
| AU 200223760 | A | 20020521 | AU 2002-23760 | 20011106 <-- |
| EP 1335698 | A1 | 20030820 | EP 2001-993451 | 20011106 <-- |
| EP 1335698 | B1 | 20070117 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| BR 2001015653 | A | 20030902 | BR 2001-15653 | 20011106 <-- |
| JP 2004513141 | T | 20040430 | JP 2002-540708 | 20011106 <-- |
| ES 2279840 | T3 | 20070901 | ES 2001-1993451 | 20011106 <-- |
| MX 2003PA03947 | A | 20030819 | MX 2003-PA3947 | 20030502 <-- |
| US 2004034946 | A1 | 20040226 | US 2003-415937 | 20030507 <-- |
| US 7077869 | B2 | 20060718 | | |
| PRIORITY APPLN. INFO.: | | | FR 2000-14321 | A 20001108 <-- |
| | | | WO 2001-FR3430 | W 20011106 <-- |

OTHER SOURCE(S): MARPAT 136:374516

AB The invention concerns bleaching compns. for keratinous fibers, in particular human keratinous fibers and more particularly hair, comprising, in a medium suitable for bleaching or permanent waving, at least a reducing agent and furthermore at least a cationic associative polyurethane. The invention also concerns the bleaching or permanent waving method and devices using said composition. A hair bleach contained citric acid 7.4, trisodium citrate dihydrate 1, hydroxyethyl cellulose 1.5, 2-oxoglutaric acid 0.8, sodium ascorbate 5.7, L-cysteine 2, cationic polyurethane 0.3, magnesium sulfate 1, and water q.s. 100 g.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:368277 CAPLUS
DOCUMENT NUMBER: 136:374515
TITLE: Bleaching composition for keratinous fibers comprising an associative polyurethane

INVENTOR(S): Legrand, Frederic; De la Mettrie, Roland
 PATENT ASSIGNEE(S): L'oreal, Fr.
 SOURCE: PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------------|
| WO 2002038117 | A1 | 20020516 | WO 2001-FR3429 | 20011106 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR 2816209 | A1 | 20020510 | FR 2000-14320 | 20001108 <-- |
| FR 2816209 | B1 | 20050225 | | |
| AU 200223759 | A | 20020521 | AU 2002-23759 | 20011106 <-- |
| EP 1335697 | A1 | 20030820 | EP 2001-993450 | 20011106 <-- |
| EP 1335697 | B1 | 20070117 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| BR 2001015462 | A | 20030826 | BR 2001-15462 | 20011106 <-- |
| JP 2004513140 | T | 20040430 | JP 2002-540707 | 20011106 <-- |
| ES 2280426 | T3 | 20070916 | ES 2001-1993450 | 20011106 <-- |
| MX 2003PA03984 | A | 20030819 | MX 2003-PA3984 | 20030506 <-- |
| US 2004034947 | A1 | 20040226 | US 2003-415953 | 20030507 <-- |
| US 7066965 | B2 | 20060627 | | |
| PRIORITY APPLN. INFO.: | | | FR 2000-14320 | A 20001108 <-- |
| | | | WO 2001-FR3429 | W 20011106 <-- |

OTHER SOURCE(S): MARPAT 136:374515

AB The invention concerns bleaching compns. for keratinous fibers, in particular human keratinous fibers and more particularly hair, comprising, in a medium suitable for bleaching, at least an oxidizing agent and furthermore at least a cationic associative polyurethane. The invention also concerns the bleaching method and devices using said composition. A hair bleach contained 200 volume hydrogen peroxide 12, stabilizer q.s., cationic polyurethane 0.3, pH adjusting agent q.s. pH = 4.7, and water q.s. 100 g. The composition is applied on the hair for 45 min, the hair is then rinsed with water.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:368275 CAPLUS
 DOCUMENT NUMBER: 136:374514
 TITLE: Oxidation dyeing composition for keratinous fibers comprising a cationic associative polyurethane
 INVENTOR(S): Cottard, Francois; De la Mettrie, Roland
 PATENT ASSIGNEE(S): L'oreal, Fr.
 SOURCE: PCT Int. Appl., 54 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|--------------|
| WO 2002038116 | A1 | 20020516 | WO 2001-FR3428 | 20011106 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR 2816207 | A1 | 20020510 | FR 2000-14319 | 20001108 <-- |
| FR 2816207 | B1 | 20030103 | | |
| CA 2427466 | A1 | 20020516 | CA 2001-2427466 | 20011106 <-- |
| AU 200223758 | A | 20020521 | AU 2002-23758 | 20011106 <-- |
| BR 2001015461 | A | 20030819 | BR 2001-15461 | 20011106 <-- |
| EP 1335695 | A1 | 20030820 | EP 2001-993449 | 20011106 <-- |
| EP 1335695 | B1 | 20040602 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| JP 2004513139 | T | 20040430 | JP 2002-540706 | 20011106 <-- |
| AT 268154 | T | 20040615 | AT 2001-993449 | 20011106 <-- |
| RU 2238714 | C1 | 20041027 | RU 2003-117010 | 20011106 <-- |
| PT 1335695 | T | 20041029 | PT 2001-993449 | 20011106 <-- |
| ES 2222404 | T3 | 20050201 | ES 2001-1993449 | 20011106 <-- |
| MX 2003PA03948 | A | 20030819 | MX 2003-PA3948 | 20030502 <-- |
| US 2004025266 | A1 | 20040212 | US 2003-415952 | 20030507 <-- |
| US 7101405 | B2 | 20060905 | | |

PRIORITY APPLN. INFO.: FR 2000-14319 A 20001108 <--
WO 2001-FR3428 W 20011106 <--

OTHER SOURCE(S): MARPAT 136:374514

AB The invention concerns an oxidation dyeing composition for keratinous fibers, in

particular for human keratinous fibers and more particularly hair, comprising, in a medium suitable for dyeing, at least an oxidation coloring agent, and furthermore at least a cationic associative polyurethane. The invention also concerns dyeing methods and devices using said composition. A hair dye contained ethoxylated fatty alc. 32.5, oleic acid 2, oleic alc. 1.8, fatty amide 4, glycerin 3, 60% cationic polymer 1.2, Merquat-280 2, sequestering agent q.s., reducing agent q.s., 20% ammonia 8, paraphenylenediamine 0.324, 2-methyl-4-aminophenol 0.369, a cationic polyurethane 1.0, and water q.s. 100 g. At the time of use the dye composition is mixed with equal amount of oxidant composition (formulation given) at a ratio of 1:1.5 and applied on the hair. The hair was then rinsed with water after 30 min, washed with shampoo, rinsed with water and dried to give a strong purple-red color.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:368274 CAPLUS

DOCUMENT NUMBER: 136:374513

TITLE: Direct dyeing composition for keratinous fibers comprising a cationic associative polyurethane

INVENTOR(S): Cottard, Francois; De la Mettrie, Roland

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|--|----------|-----------------|--------------|
| WO 2002038115 | A1 | 20020516 | WO 2001-FR3427 | 20011106 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| FR 2816208 | A1 | 20020510 | FR 2000-14322 | 20001108 <-- |
| FR 2816208 | B1 | 20030103 | | |
| AU 200223757 | A | 20020521 | AU 2002-23757 | 20011106 <-- |
| EP 1335694 | A1 | 20030820 | EP 2001-993448 | 20011106 <-- |
| EP 1335694 | B1 | 20060920 | | |
| R: AT, BE, CH, DE, DK, ES, FR, IE, SI, LT, LV, FI, RO, MK | GB, GR, IT, LI, LU, NL, SE, MC, PT, CY, AL, TR | | | |
| JP 2004513138 | T | 20040430 | JP 2002-540705 | 20011106 <-- |
| AT 339992 | T | 20061015 | AT 2001-993448 | 20011106 <-- |
| ES 2271107 | T3 | 20070416 | ES 2001-1993448 | 20011106 <-- |
| BR 2003000082 | A | 20041013 | BR 2003-82 | 20030106 <-- |
| US 2004019981 | A1 | 20040205 | US 2003-415954 | 20030507 <-- |
| US 7108726 | B2 | 20060919 | | |

PRIORITY APPLN. INFO.: FR 2000-14322 A 20001108 <--
WO 2001-FR3427 W 20011106 <--

AB The invention concerns a direct dyeing composition for keratinous fibers, in particular for human keratinous fibers and more particularly hair, comprising, in a medium suitable for dyeing, at least a direct coloring agent, and furthermore at least a cationic associative polyurethane. The invention also concerns dyeing methods and devices using said composition. A hair dye contained ethoxylated fatty alc. 32.5, oleic acid 2, oleic alc. 1.8, fatty amide 4, glycerin 3, 60% cationic polymer 1.2, Merquat-280 2, sequestering agent q.s., reducing agent q.s., 20% ammonia 8, 1,4-diamino-2-nitrobenzene 0.6, a cationic polyurethane 0.3, and water q.s. 100 g. At the time of use the dye composition is mixed with equal amount of oxidant composition (formulation given) at a ratio

of 1:1.5 and applied on the hair. The hair was then rinsed with water after 30 min, washed with shampoo, rinsed with water and dried to give a strong red color.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:452827 CAPLUS

DOCUMENT NUMBER: 135:50859

TITLE: Composition associating two polyurethane polyethers for bleaching or permanent deformation of keratinous fibers

INVENTOR(S): Legrand, Frederic

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 46 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|------|-----------------|------|
|------------|------|------|-----------------|------|

| | | | | |
|---|----|----------|----------------|----------------|
| WO 2001043708 | A1 | 20010621 | WO 2000-FR3140 | 20001110 <-- |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR 2802095 | A1 | 20010615 | FR 1999-15681 | 19991213 <-- |
| FR 2802095 | B1 | 20020118 | | |
| AU 2001017107 | A5 | 20010625 | AU 2001-17107 | 20001110 <-- |
| EP 1239819 | A1 | 20020918 | EP 2000-979707 | 20001110 <-- |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| PRIORITY APPLN. INFO.: | | | FR 1999-15681 | A 19991213 <-- |
| | | | WO 2000-FR3140 | W 20001110 <-- |

OTHER SOURCE(S): MARPAT 135:50859

AB The invention concerns a composition for bleaching or permanent deformation of keratinous fibers, in particular human keratinous fibers such as hair, comprising, in a medium suitable for bleaching or permanent waving, at least a reducing agent and addnl. at least two specific polyurethane polyethers. The invention also concerns methods and devices for bleaching and permanent waving of keratinous fibers using said compns. Thus, a hair bleach composition comprises (in g) citric acid 7.4, trisodium citrate dihydrate 1, hydroxyethylcellulose 1.5, 2-oxoglutaric acid 0.8, sodium ascorbate 5.7, L-cysteine 2, Aculyn-44 0.1, Aculyn-46 0.2, magnesium sulfate 1, and water q.s. to 100 g.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2001:450870 CAPLUS
 DOCUMENT NUMBER: 135:50857
 TITLE: Composition containing a mixture of two polyurethane polyethers for decoloring keratinic fibers
 INVENTOR(S): Legrand, Frederic
 PATENT ASSIGNEE(S): L'Oreal, Fr.
 SOURCE: Eur. Pat. Appl., 23 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------------------|----------|-----------------|----------------|
| ----- | ----- | ----- | ----- | ----- |
| EP 1108418 | A1 | 20010620 | EP 2000-403211 | 20001117 <-- |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| FR 2802094 | A1 | 20010615 | FR 1999-15678 | 19991213 <-- |
| FR 2802094 | B1 | 20020118 | | |
| AU 2000071848 | A5 | 20010614 | AU 2000-71848 | 20001127 <-- |
| AU 760359 | B2 | 20030515 | | |
| RU 2191568 | C2 | 20021027 | RU 2000-130872 | 20001208 <-- |
| CA 2328561 | A1 | 20010613 | CA 2000-2328561 | 20001211 <-- |
| CN 1302601 | A | 20010711 | CN 2000-137313 | 20001212 <-- |
| BR 2000006480 | A | 20010717 | BR 2000-6480 | 20001212 <-- |
| JP 2001199853 | A | 20010724 | JP 2000-378101 | 20001212 <-- |
| US 2001021376 | A1 | 20010913 | US 2000-734732 | 20001213 <-- |
| US 6444197 | B2 | 20020903 | | |
| PRIORITY APPLN. INFO.: | | | FR 1999-15678 | A 19991213 <-- |
| OTHER SOURCE(S): | MARPAT 135:50857 | | | |

AB A composition for removing hair color is disclosed which comprises, in a milieu appropriate for decoloring, at least one oxidizing agent and at least one combination of two polyurethane polyethers. Said polyurethane polyether may be obtained by polycondensation of a polyethyleneglycol, stearyl alc., and methylene bis(4-cyclohexylisocyanate). Thus, a bleach comprises ceteareth 30 2.2 g, Aculyn 44 0.1 g, Aculyn 46 0.2 g, stabilizers q.s., hydrogen peroxide up to 30 vols. 18 g, phosphoric acid q.s. to pH 2.5, distilled water q.s. to 100 g total.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:803136 CAPLUS

DOCUMENT NUMBER: 132:36915

TITLE: Ink-jet printing fabrics coated with cationic polymers and hygroscopic polymers for printing with water-soluble dyes using ink-jet printers for images with good sharpness and water resistance and manufacture thereof

INVENTOR(S): Takeuchi, Taihei

PATENT ASSIGNEE(S): Seikoh Chemicals Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|--------------|
| JP 11350365 | A | 19991221 | JP 1998-159037 | 19980608 <-- |
| PRIORITY APPLN. INFO.: | | | JP 1998-159037 | 19980608 <-- |

AB The fabrics are prepared by impregnating or coating fabrics with aqueous solns. of cationic H₂O-soluble polymers (A) and coating one or two sides of the fabrics with solns. mainly containing hygroscopic polymers (B) and organic solvents to form an ink-receiving layer mainly comprising B or first coating one or two sides of the untreated fabrics with solns. mainly containing B to form an ink-receiving layer mainly comprising B and coating or impregnating the fabrics with aqueous solns. containing A. A woven polyester fabric was impregnated with an aqueous solution containing 3.3% Hiset CA (cationic polymer), squeezed, and dried to form a fabric with solids content 5 g/m². The fabric was coated on one side with a solution containing 333 parts 30% polyurethane (prepared by copolymerg. 200 parts polycarbonate diol with polyethylene glycol 800, hexylene glycol 59, and 4,4'-dicyclohexylmethane diisocyanate 524 parts) solution, 20 parts poly(vinylpyrrolidone) (Luviskol K-30), and 80 parts formaldehyde-urea copolymer powder and dried to give a fabric having an ink-receiving layer with solids content 35 g/m² and exhibiting good softness and showing good sharpness and water resistance of images formed on printing the fabric using a water-soluble ink using an ink-jet printer.

L22 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:752089 CAPLUS

DOCUMENT NUMBER: 132:3924

TITLE: Artificial leather sheets with good embossability and manufacture therewith

INVENTOR(S): Ikebukuro, Kazunari; Wakamatsu, Tomoyuki

PATENT ASSIGNEE(S): Kuraray Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|--------------|
| JP 11323742 | A | 19991126 | JP 1998-137300 | 19980520 <-- |
| PRIORITY APPLN. INFO.: | | | JP 1998-137300 | 19980520 <-- |

AB The manufacture includes imparting a cationic surfactant onto a nonporous layer-covered fiber base layer and subjecting to the embossment treatment, where the nonporous layer consists of a diamine- or hydrazide-extended aliphatic or alicyclic polyurethane elastomer or a diol-extended MDI-type polyurethane elastomer. Coating a DMF solution of polyurethane elastomer (PUE) consisting of poly(ethylene adipate) glycol (I), 4,4'-MDI, ethylene glycol on a polyethylene film, coagulation in aqueous DMF, removing polyethylene film, and bonding the resulting porous film with a polyester fabric gave a base. Coating sequentially the base on the porous film with a polyurethane consisting of I, cyclohexylmethane-4,4'-diisocyanate, and isophoronediamine and PUE, treating with 1,5,9-Triazoniacyclododecane derivative cation [(C₂₁H₄₃CONHCH₂CH₂)₂N+CH₂CHOHCH₂]₃Cl⁻ and embossing gave a leather-like sheet with good appearance.

=> s L8 and L11
 L23 14 L8 AND L11

=> s L8 and L12
 L24 0 L8 AND L12

=> dup rem L23
 PROCESSING COMPLETED FOR L23
 L25 14 DUP REM L23 (0 DUPLICATES REMOVED)

=> s cationic and L23
 138924 CATIONIC
 214 CATIONICS
 138998 CATIONIC
 (CATIONIC OR CATIONICS)
 L26 0 CATIONIC AND L23

=> d 1-5 L23 ibib abs

L23 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2007:618903 CAPLUS
 DOCUMENT NUMBER: 147:10373
 TITLE: Production of crosslinker dispersions comprising
 blocked isocyanates
 INVENTOR(S): Doerr, Sebastian; Mueller, Heino; Blum, Harald
 PATENT ASSIGNEE(S): Bayer Materialscience A.-G., Germany
 SOURCE: PCT Int. Appl., 14pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2007062760 | A2 | 20070607 | WO 2006-EP11118 | 20061121 |
| WO 2007062760 | A3 | 20070830 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, | | | |

TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

DE 1020050507336 A1 20070614 DE 2005-1020050507336 20051201
 US 2007129488 A1 20070607 US 2006-604954 20061128

PRIORITY APPLN. INFO.: DE 2005-1020050507336A 20051201

AB In the title process, giving storage-stable dispersions free of cosolvents, hydroxy acids 10-45 and/or chain extenders 0-15 equivalent% based on NCO groups are dissolved in 50-90 equivalent% thermally-cleavable blocking agents and the hydroxy acids are neutralized with bases before, during, or after dispersion of the polyurethanes in H2O. Adding a solution of 1,6-hexanediol 0.1, hydroxypivalic acid 0.2, and butanone oxime 0.7 equivs. over .apprx.1 h to 1.1 equivalent Desmodur N 3300 at 50-90° and stirring at 90° until all NCO groups were blocked (.apprx.12 h), cooling to 85°, adding 0.220 equivalent Me2NCH2CH2OH, stirring for 10 min, adding 478 g H2O heated to 50° with strong stirring, and heating at 50° for 2 h gave a dispersion with solids content .apprx.38%, pH .apprx.9.1, viscosity (23°) °1600 mPa-s, and particle size 17 nm, showing no deposition after 3 mo at 40°.

L23 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2007:198157 CAPLUS

DOCUMENT NUMBER: 146:276186

TITLE: Polymer composition as a base-coat for corrosion protection of metal surfaces in home appliances, automotive parts and coil coatings

INVENTOR(S): Goethlich, Alexander; Klippel, Frank; Schornick, Gunnar; Vandermeulen, Guido; Witteler, Helmut; Heidenfelder, Thomas; Hickl, Markus; Dornbusch, Michael; Roschmann, Konrad; Fernandez Gonzalez, Monica

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 71pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|----------------------|----------|
| WO 2007020220 | A1 | 20070222 | WO 2006-EP65194 | 20060809 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| DE 102005038608 | A1 | 20070222 | DE 2005-102005038608 | 20050816 |

PRIORITY APPLN. INFO.: DE 2005-102005038608A 20050816

AB The invention relates to a composition for coating metal surfaces, which contains 15-70 % of a binding component, 0.1- 40 % of a corrosion inhibitor polymer based on an ethylenic mono- and dicarboxylic acid and, optionally, addnl. ethylenic monomers, 5-84.5 % of a solvent component and, 0-30 % of a cross-linker components and 0-70 % of pigments, fillers and, optionally other additives. Epoxy resin composition, acrylic latex or

water-based polyurethanes can be used as binding components and copolymers of maleic acid or anhydride, (meth)acrylic acid and vinyl phosphonic acid are used as corrosion inhibiting polymer. The composition is produced by blending all components and can be applied to metal surface by blade, spray, brush as a base coat, in particular, in coil coatings, or for home appliances, or parts in automobile construction providing atmospheric corrosion protection. After drying, the applied layer has a thickness of at least 3.1 μm and is thicker than a normal base-coat layer.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:54069 CAPLUS
 DOCUMENT NUMBER: 144:129734
 TITLE: Functionalized, aqueous resins
 INVENTOR(S): Andrejewski, Werner; Gloeckner, Patrick; Mindach, Lutz
 PATENT ASSIGNEE(S): Degussa A.-G., Germany
 SOURCE: PCT Int. Appl., 23 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------------|------------|
| WO 2006005644 | A1 | 20060119 | WO 2005-EP52350 | 20050523 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| DE 102004034303 | A1 | 20060209 | DE 2004-102004034303 | 20040715 |
| CA 2573724 | A1 | 20060119 | CA 2005-2573724 | 20050523 |
| CN 1918206 | A | 20070221 | CN 2005-80004576 | 20050523 |
| EP 1765904 | A1 | 20070328 | EP 2005-747885 | 20050523 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| KR 2007021318 | A | 20070222 | KR 2007-700943 | 20070115 |
| PRIORITY APPLN. INFO.: | | | DE 2004-102004034303A | 20040715 |
| | | | WO 2005-EP52350 | W 20050523 |

AB Disclosed are storage-stable aqueous, functionalized resin dispersions obtained by reacting or partially reacting (A) hydroxy group-containing ketone resins, ketone/aldehyde resins, urea/aldehyde resins, or the hydrogenated resultant products thereof, (B) at least one modified isocyanate and/or polyisocyanate which comprises at least one free NCO group and is obtained by reacting at least one isocyanate and/or polyisocyanate with compds. containing at least one hydrophilic group and/or a potentially hydrophilic group in addition to being provided with at least one function that is reactive towards isocyanate groups, and (C) at least one compound which is provided with a function reactive to isocyanate groups and contains addnl. functional groups, whereupon the optionally neutralized resin is mixed with water. The dispersions contain lower amts. of additives such as emulsifiers, protective colloids, and electrolytes.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:34806 CAPLUS
 DOCUMENT NUMBER: 142:114719
 TITLE: Preparation method of stable aqueous polycarbodiimide
 dispersions and crosslinking agents therewith
 INVENTOR(S): Hesselmans, Laurentius Cornelius Josephus; Derksen,
 Andries Johannes; Munneke, Jacob Christian
 PATENT ASSIGNEE(S): Stahl International B. V., Neth.
 SOURCE: PCT Int. Appl., 11 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|------------------|------------|
| WO 2005003204 | A2 | 20050113 | WO 2004-NL470 | 20040702 |
| WO 2005003204 | A3 | 20050310 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| NL 1023817 | C2 | 20050104 | NL 2003-1023817 | 20030703 |
| AU 2004253814 | A1 | 20050113 | AU 2004-253814 | 20040702 |
| CA 2531230 | A1 | 20050113 | CA 2004-2531230 | 20040702 |
| EP 1644428 | A2 | 20060412 | EP 2004-748700 | 20040702 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK | | | | |
| CN 1805984 | A | 20060719 | CN 2004-80016351 | 20040702 |
| BR 2004011732 | A | 20060808 | BR 2004-11732 | 20040702 |
| JP 2007521360 | T | 20070802 | JP 2006-516993 | 20040702 |
| MX 2005PA13947 | A | 20060703 | MX 2005-PA13947 | 20051219 |
| US 2006106189 | A1 | 20060518 | US 2005-320189 | 20051228 |
| IN 2006DN00016 | A | 20070824 | IN 2006-DN16 | 20060102 |
| PRIORITY APPLN. INFO.: | | | NL 2003-1023817 | A 20030703 |
| | | | WO 2004-NL470 | W 20040702 |

AB A process for the preparation of stable aqueous polycarbodiimide dispersions, to be

used as crosslinking agent, which are free of organic solvents is described. Said process is characterized in: reacting a polyisocyanate in the presence of a carbodiimide catalyst to form a polycarbodiimide, terminating and/or chain extending the polycarbodiimide chain by the addition of a compound containing a hydrophilic group and one or more amine and/or hydroxy functions during or after the polycarbodiimide formation dispersion of the resulting compound in water, wherein pH is adjusted to 9-14 by the addition of a base and/or a buffer to the water used for the dispersion and/or to the obtained aqueous dispersion. According to the present process said terminating or chain extending with the compound containing

a hydrophilic group and one or more amine functions may also occur during or after the dispersion of the polycarbodiimide in water. The preferred pH of the polycarbodiimide dispersions is between 11 and 13. Furthermore the invention relates to a coating mixture comprising the polycarbodiimide dispersions obtained by the invention as crosslinking agent and an aqueous resin containing carboxylic acid functions. Finally the invention comprises cured material obtained by applying said coating mixture to a substrate, and

evaporating the water.

L23 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:253025 CAPLUS
DOCUMENT NUMBER: 136:279838
TITLE: Preparation and use of water-dispersible, powdered,
blocked polyisocyanate adducts
INVENTOR(S): Mindach, Lutz; Janischewski, Klaus; Jonderko,
Klaus-Peter
PATENT ASSIGNEE(S): Degussa A.-G., Germany
SOURCE: Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|------------------|----------|
| EP 1193277 | A2 | 20020403 | EP 2001-119326 | 20010810 |
| EP 1193277 | A3 | 20020710 | | |
| EP 1193277 | B1 | 20060322 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| DE 10047762 | A1 | 20020411 | DE 2000-10047762 | 20000927 |
| US 2002061999 | A1 | 20020523 | US 2001-963423 | 20010927 |
| US 7033522 | B2 | 20060425 | | |

PRIORITY APPLN. INFO.: DE 2000-10047762 A 20000927
AB The title adducts, with good storage stability, are reaction products of polyisocyanates (average mol. weight \leq 1000, average functionality 2-4) 5-95, NCO-reactive, hydrophilic components 5-70, neutralizing agents 0-15%, and blocking agents (blocking 95-100% of residual NCO groups). Stirring and refluxing a mixture of IPDI isocyanurate 741.2, IPDI 222.0, acetone 451.4, 10% acetone solution of Bu₂Sn dilaurate 22.0, and powdered dimethylolpropionic acid 134.0 g for 6-8 h, cooling to 40-45°, adding 253 g MEK oxime at 40-50°, stirring for 30 min, cooling to 30°, adding 45.6 g Me₂NCH₂CH₂OH to 1100 g this acetone solution, and spray drying gave a powdered, blocked isocyanate. Dispersing the products in various aqueous polymer dispersions is exemplified.

=> s L15 AND cationic
138924 CATIONIC
214 CATIONICS
138998 CATIONIC
(CATIONIC OR CATIONICS)
L27 8 L15 AND CATIONIC

=> d 1-8 L27 ibib abs

L27 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:368279 CAPLUS
DOCUMENT NUMBER: 136:374516
TITLE: Composition for bleaching or permanent waving of
keratinous fibers comprising a cationic
associative polyurethane
INVENTOR(S): Legrand, Frederic; De la Mettrie, Roland
PATENT ASSIGNEE(S): L'oreal, Fr.
SOURCE: PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 2002038118 | A1 | 20020516 | WO 2001-FR3430 | 20011106 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR 2816210 | A1 | 20020510 | FR 2000-14321 | 20001108 |
| FR 2816210 | B1 | 20050225 | | |
| AU 200223760 | A | 20020521 | AU 2002-23760 | 20011106 |
| EP 1335698 | A1 | 20030820 | EP 2001-993451 | 20011106 |
| EP 1335698 | B1 | 20070117 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| BR 2001015653 | A | 20030902 | BR 2001-15653 | 20011106 |
| JP 2004513141 | T | 20040430 | JP 2002-540708 | 20011106 |
| ES 2279840 | T3 | 20070901 | ES 2001-1993451 | 20011106 |
| MX 2003PA03947 | A | 20030819 | MX 2003-PA3947 | 20030502 |
| US 2004034946 | A1 | 20040226 | US 2003-415937 | 20030507 |
| US 7077869 | B2 | 20060718 | | |
| PRIORITY APPLN. INFO.: | | | FR 2000-14321 | A 20001108 |
| | | | WO 2001-FR3430 | W 20011106 |

OTHER SOURCE(S): MARPAT 136:374516

AB The invention concerns bleaching compns. for keratinous fibers, in particular human keratinous fibers and more particularly hair, comprising, in a medium suitable for bleaching or permanent waving, at least a reducing agent and furthermore at least a cationic associative polyurethane. The invention also concerns the bleaching or permanent waving method and devices using said composition. A hair bleach contained citric acid 7.4, trisodium citrate dihydrate 1, hydroxyethyl cellulose 1.5, 2-oxoglutaric acid 0.8, sodium ascorbate 5.7, L-cysteine 2, cationic polyurethane 0.3, magnesium sulfate 1, and water q.s. 100 g.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:368277 CAPLUS
 DOCUMENT NUMBER: 136:374515
 TITLE: Bleaching composition for keratinous fibers comprising an associative polyurethane
 INVENTOR(S): Legrand, Frederic; De la Mettrie, Roland
 PATENT ASSIGNEE(S): L'oreal, Fr.
 SOURCE: PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2002038117 | A1 | 20020516 | WO 2001-FR3429 | 20011106 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, | | | | |

| | | | | |
|--|----|----------|-----------------|------------|
| PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR 2816209 | A1 | 20020510 | FR 2000-14320 | 20001108 |
| FR 2816209 | B1 | 20050225 | | |
| AU 200223759 | A | 20020521 | AU 2002-23759 | 20011106 |
| EP 1335697 | A1 | 20030820 | EP 2001-993450 | 20011106 |
| EP 1335697 | B1 | 20070117 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| BR 2001015462 | A | 20030826 | BR 2001-15462 | 20011106 |
| JP 2004513140 | T | 20040430 | JP 2002-540707 | 20011106 |
| ES 2280426 | T3 | 20070916 | ES 2001-1993450 | 20011106 |
| MX 2003PA03984 | A | 20030819 | MX 2003-PA3984 | 20030506 |
| US 2004034947 | A1 | 20040226 | US 2003-415953 | 20030507 |
| US 7066965 | B2 | 20060627 | | |
| PRIORITY APPLN. INFO.: | | | FR 2000-14320 | A 20001108 |
| | | | WO 2001-FR3429 | W 20011106 |

OTHER SOURCE(S): MARPAT 136:374515

AB The invention concerns bleaching compns. for keratinous fibers, in particular human keratinous fibers and more particularly hair, comprising, in a medium suitable for bleaching, at least an oxidizing agent and furthermore at least a cationic associative polyurethane. The invention also concerns the bleaching method and devices using said composition. A hair bleach contained 200 volume hydrogen peroxide 12, stabilizer q.s., cationic polyurethane 0.3, pH adjusting agent q.s. pH = 4.7, and water q.s. 100 g. The composition is applied on the hair for 45 min, the hair is then rinsed with water.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:368275 CAPLUS
 DOCUMENT NUMBER: 136:374514
 TITLE: Oxidation dyeing composition for keratinous fibers comprising a cationic associative polyurethane
 INVENTOR(S): Cottard, Francois; De la Mettrie, Roland
 PATENT ASSIGNEE(S): L'oreal, Fr.
 SOURCE: PCT Int. Appl., 54 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2002038116 | A1 | 20020516 | WO 2001-FR3428 | 20011106 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR 2816207 | A1 | 20020510 | FR 2000-14319 | 20001108 |
| FR 2816207 | B1 | 20030103 | | |
| CA 2427466 | A1 | 20020516 | CA 2001-2427466 | 20011106 |
| AU 200223758 | A | 20020521 | AU 2002-23758 | 20011106 |

| | | | |
|--|-------------|-----------------|----------|
| BR 2001015461 | A 20030819 | BR 2001-15461 | 20011106 |
| EP 1335695 | A1 20030820 | EP 2001-993449 | 20011106 |
| EP 1335695 | B1 20040602 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| JP 2004513139 | T 20040430 | JP 2002-540706 | 20011106 |
| AT 268154 | T 20040615 | AT 2001-993449 | 20011106 |
| RU 2238714 | C1 20041027 | RU 2003-117010 | 20011106 |
| PT 1335695 | T 20041029 | PT 2001-993449 | 20011106 |
| ES 2222404 | T3 20050201 | ES 2001-1993449 | 20011106 |
| MX 2003PA03948 | A 20030819 | MX 2003-PA3948 | 20030502 |
| US 2004025266 | A1 20040212 | US 2003-415952 | 20030507 |
| US 7101405 | B2 20060905 | | |

PRIORITY APPLN. INFO.: FR 2000-14319 A 20001108
WO 2001-FR3428 W 20011106

OTHER SOURCE(S): MARPAT 136:374514

AB The invention concerns an oxidation dyeing composition for keratinous fibers, in

particular for human keratinous fibers and more particularly hair, comprising, in a medium suitable for dyeing, at least an oxidation coloring agent, and furthermore at least a cationic associative polyurethane. The invention also concerns dyeing methods and devices using said composition. A hair dye contained ethoxylated fatty alc. 32.5, oleic acid 2, oleic alc. 1.8, fatty amide 4, glycerin 3, 60% cationic polymer 1.2, Merquat-280 2, sequestering agent q.s., reducing agent q.s., 20% ammonia 8, paraphenylenediamine 0.324, 2-methyl-4-aminophenol 0.369, a cationic polyurethane 1.0, and water q.s. 100 g. At the time of use the dye composition is mixed with equal amount of oxidant composition (formulation

given) at a ratio of 1:1.5 and applied on the hair. The hair was then rinsed with water after 30 min, washed with shampoo, rinsed with water and dried to give a strong purple-red color.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:368274 CAPLUS

DOCUMENT NUMBER: 136:374513

TITLE: Direct dyeing composition for keratinous fibers comprising a cationic associative polyurethane

INVENTOR(S): Cottard, Francois; De la Mettrie, Roland

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|-------------|----------------|-----------------|------|
| WO 2002038115 | A1 20020516 | WO 2001-FR3427 | 20011106 | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR 2816208 | A1 20020510 | FR 2000-14322 | 20001108 | |
| FR 2816208 | B1 20030103 | | | |

| | | | |
|--|-------------|-----------------|----------|
| AU 200223757 | A 20020521 | AU 2002-23757 | 20011106 |
| EP 1335694 | A1 20030820 | EP 2001-993448 | 20011106 |
| EP 1335694 | B1 20060920 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| JP 2004513138 | T 20040430 | JP 2002-540705 | 20011106 |
| AT 339992 | T 20061015 | AT 2001-993448 | 20011106 |
| ES 2271107 | T3 20070416 | ES 2001-1993448 | 20011106 |
| BR 2003000082 | A 20041013 | BR 2003-82 | 20030106 |
| US 2004019981 | A1 20040205 | US 2003-415954 | 20030507 |
| US 7108726 | B2 20060919 | | |

PRIORITY APPLN. INFO.: FR 2000-14322 A 20001108
WO 2001-FR3427. W 20011106

AB The invention concerns a direct dyeing composition for keratinous fibers, in particular for human keratinous fibers and more particularly hair, comprising, in a medium suitable for dyeing, at least a direct coloring agent, and furthermore at least a cationic associative polyurethane. The invention also concerns dyeing methods and devices using said composition. A hair dye contained ethoxylated fatty alc. 32.5, oleic acid 2, oleic alc. 1.8, fatty amide 4, glycerin 3, 60% cationic polymer 1.2, Merquat-280 2, sequestering agent q.s., reducing agent q.s., 20% ammonia 8, 1,4-diamino-2-nitrobenzene 0.6, a cationic polyurethane 0.3, and water q.s. 100 g. At the time of use the dye composition is mixed with equal amount of oxidant composition (formulation given) at a ratio

of 1:1.5 and applied on the hair. The hair was then rinsed with water after 30 min, washed with shampoo, rinsed with water and dried to give a strong red color.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:452827 CAPLUS
DOCUMENT NUMBER: 135:50859
TITLE: Composition associating two polyurethane polyethers for bleaching or permanent deformation of keratinous fibers
INVENTOR(S): Legrand, Frederic
PATENT ASSIGNEE(S): L'oreal, Fr.
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2001043708 | A1 | 20010621 | WO 2000-FR3140 | 20001110 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR 2802095 | A1 | 20010615 | FR 1999-15681 | 19991213 |
| FR 2802095 | B1 | 20020118 | | |
| AU 2001017107 | A5 | 20010625 | AU 2001-17107 | 20001110 |
| EP 1239819 | A1 | 20020918 | EP 2000-979707 | 20001110 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |

PRIORITY APPLN. INFO.:

FR 1999-15681

A 19991213

WO 2000-FR3140

W 20001110

OTHER SOURCE(S): MARPAT 135:50859

AB The invention concerns a composition for bleaching or permanent deformation of keratinous fibers, in particular human keratinous fibers such as hair, comprising, in a medium suitable for bleaching or permanent waving, at least a reducing agent and addnl. at least two specific polyurethane polyethers. The invention also concerns methods and devices for bleaching and permanent waving of keratinous fibers using said compns. Thus, a hair bleach composition comprises (in g) citric acid 7.4, trisodium citrate dihydrate 1, hydroxyethylcellulose 1.5, 2-oxoglutaric acid 0.8, sodium ascorbate 5.7, L-cysteine 2, Aculyn-44 0.1, Aculyn-46 0.2, magnesium sulfate 1, and water q.s. to 100 g.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:450870 CAPLUS

DOCUMENT NUMBER: 135:50857

TITLE: Composition containing a mixture of two polyurethane polyethers for decoloring keratinic fibers

INVENTOR(S): Legrand, Frederic

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: Eur. Pat. Appl., 23 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-------------------------------------|----------|
| EP 1108418 | A1 | 20010620 | EP 2000-403211 | 20001117 |
| R: AT, BE, CH, DE, DK, ES, FR, IE, SI, LT, LV, FI, RO | | | GB, GR, IT, LI, LU, NL, SE, MC, PT, | |
| FR 2802094 | A1 | 20010615 | FR 1999-15678 | 19991213 |
| FR 2802094 | B1 | 20020118 | | |
| AU 2000071848 | A5 | 20010614 | AU 2000-71848 | 20001127 |
| AU 760359 | B2 | 20030515 | | |
| RU 2191568 | C2 | 20021027 | RU 2000-130872 | 20001208 |
| CA 2328561 | A1 | 20010613 | CA 2000-2328561 | 20001211 |
| CN 1302601 | A | 20010711 | CN 2000-137313 | 20001212 |
| BR 2000006480 | A | 20010717 | BR 2000-6480 | 20001212 |
| JP 2001199853 | A | 20010724 | JP 2000-378101 | 20001212 |
| US 2001021376 | A1 | 20010913 | US 2000-734732 | 20001213 |
| US 6444197 | B2 | 20020903 | | |

PRIORITY APPLN. INFO.: FR 1999-15678 A 19991213

OTHER SOURCE(S): MARPAT 135:50857

AB A composition for removing hair color is disclosed which comprises, in a milieu appropriate for decoloring, at least one oxidizing agent and at least one combination of two polyurethane polyethers. Said polyurethane polyether may be obtained by polycondensation of a polyethyleneglycol, stearyl alc., and methylene bis(4-cyclohexylisocyanate). Thus, a bleach comprises ceteareth 30 2.2 g, Aculyn 44 0.1 g, Aculyn 46 0.2 g, stabilizers q.s., hydrogen peroxide up to 30 vols. 18 g, phosphoric acid q.s. to pH 2.5, distilled water q.s. to 100 g total.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:803136 CAPLUS

DOCUMENT NUMBER: 132:36915

TITLE: Ink-jet printing fabrics coated with cationic polymers and hygroscopic polymers for printing with

water-soluble dyes using ink-jet printers for images with good sharpness and water resistance and manufacture thereof

INVENTOR(S): Takeuchi, Taihei

PATENT ASSIGNEE(S): Seikoh Chemicals Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|----------|
| JP 11350365 | A | 19991221 | JP 1998-159037 | 19980608 |
| PRIORITY APPLN. INFO.: | | | JP 1998-159037 | 19980608 |

AB The fabrics are prepared by impregnating or coating fabrics with aqueous solns. of cationic H₂O-soluble polymers (A) and coating one or two sides of the fabrics with solns. mainly containing hygroscopic polymers (B) and organic solvents to form an ink-receiving layer mainly comprising B or first coating one or two sides of the untreated fabrics with solns. mainly containing B to form an ink-receiving layer mainly comprising B and coating or impregnating the fabrics with aqueous solns. containing A. A woven polyester fabric was impregnated with an aqueous solution containing 3.3% Hiset CA (cationic polymer), squeezed, and dried to form a fabric with solids content 5 g/m². The fabric was coated on one side with a solution containing 333 parts 30% polyurethane (prepared by copolymer. 200 parts polycarbonate diol with polyethylene glycol 800, hexylene glycol 59, and 4,4'-dicyclohexylmethane diisocyanate 524 parts) solution, 20 parts poly(vinylpyrrolidone) (Luviskol K-30), and 80 parts formaldehyde-urea copolymer powder and dried to give a fabric having an ink-receiving layer with solids content 35 g/m² and exhibiting good softness and showing good sharpness and water resistance of images formed on printing the fabric using a water-soluble ink using an ink-jet printer.

L27 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:752089 CAPLUS

DOCUMENT NUMBER: 132:3924

TITLE: Artificial leather sheets with good embossability and manufacture therewith

INVENTOR(S): Ikebukuro, Kazunari; Wakamatsu, Tomoyuki

PATENT ASSIGNEE(S): Kuraray Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|----------|
| JP 11323742 | A | 19991126 | JP 1998-137300 | 19980520 |
| PRIORITY APPLN. INFO.: | | | JP 1998-137300 | 19980520 |

AB The manufacture includes imparting a cationic surfactant onto a nonporous layer-covered fiber base layer and subjecting to the embossment treatment, where the nonporous layer consists of a diamine- or hydrazide-extended aliphatic or alicyclic polyurethane elastomer or a diol-extended MDI-type polyurethane elastomer. Coating a DMF solution of polyurethane elastomer (PUE) consisting of poly(ethylene adipate) glycol (I), 4,4'-MDI, ethylene glycol on a polyethylene film, coagulation in aqueous DMF, removing polyethylene film, and bonding the resulting porous film with a polyester fabric gave a base. Coating sequentially the base on the porous film with a polyurethane consisting of I, cyclohexylmethane-4,4'-

diisocyanate, and isophoronediamine and PUE, treating with 1,5,9-Triazoniacyclododecane derivative cation [(C₂₁H₄₃CONHCH₂CH₂)₂N+CH₂CHOHCH₂]₃Cl- and embossing gave a leather-like sheet with good appearance.

=> s cationic polyurethane
138924 CATIONIC
214 CATIONICS
138998 CATIONIC
(CATIONIC OR CATIONICS)
129462 POLYURETHANE
102463 POLYURETHANES
159458 POLYURETHANE
(POLYURETHANE OR POLYURETHANES)
L28 304 CATIONIC POLYURETHANE
(CATIONIC(W) POLYURETHANE)

=> s L2
L29 1034 L2

=> s L29 and L28
L30 1 L29 AND L28

=> d 1 L30 ibib abs

L30 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:69413 CAPLUS
DOCUMENT NUMBER: 136:118886.
TITLE: Associative cationic polyurethanes
and their use as thickeners and gelling agents
INVENTOR(S): Mougin, Nathalie; Cottard, Francois; De La Mettrie,
Roland; Lion, Bertrand; Maury, Elise
PATENT ASSIGNEE(S): L'Oreal, Fr.
SOURCE: Eur. Pat. Appl., 13 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|-------------|
| EP 1174450 | A1 | 20020123 | EP 2001-401818 | 20010706 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| FR 2811993 | A1 | 20020125 | FR 2000-9609 | 20000721 |
| FR 2811993 | B1 | 20060804 | | |
| CN 1334277 | A | 20020206 | CN 2001-120612 | 20010716 |
| ZA 2001005821 | A | 20020207 | ZA 2001-5821 | 20010716 |
| US 2003124079 | A1 | 20030703 | US 2001-904516 | 20010716 |
| BR 2001002946 | A | 20020305 | BR 2001-2946 | 20010718 |
| AU 765016 | B2 | 20030904 | AU 2001-54483 | 20010718 |
| CA 2353342 | A1 | 20020121 | CA 2001-2353342 | 20010720 |
| CA 2353342 | C | 20060502 | | |
| HU 2001003041 | A2 | 20020429 | HU 2001-3041 | 20010720 |
| MX 2001PA07393 | A | 20030519 | MX 2001-PA7393 | 20010720 |
| RU 2213102 | C2 | 20030927 | RU 2001-120440 | 20010720 |
| JP 2002105161 | A | 20020410 | JP 2001-221150 | 20010723 |
| US 2004141943 | A1 | 20040722 | US 2004-751514 | 20040106 |
| JP 2006176789 | A | 20060706 | JP 2006-3731 | 20060111 |
| PRIORITY APPLN. INFO.: | | | FR 2000-9609 | A 20000721 |
| | | | US 2001-904516 | A3 20010716 |
| | | | JP 2001-221150 | A3 20010723 |

AB Cationic polyurethanes, useful as thickeners and

gelling agents for cosmetics, are based on the formula:
RX(P)n[L(Y)m]rL'(P')pX'R' [R, R' = hydrophobic group or H; X, X' = amine group (optionally bearing a hydrophobic group) or L''; L, L', L'' = group derived from a diisocyanate; P, P' = amine group (optionally bearing a hydrophobic group); Y = hydrophilic group; r = 1-100; n, m, p = 0-1000], with the polymers having ≥ 1 of the amine groups being protonated or quaternized and having ≥ 1 hydrophobic group. A typical polymer was manufactured polymerization of 4 mol methylenebiscyclohexyl diisocyanate with

1 mol

polyethylene glycol, reaction of the product with 2 mol each stearyl alc. and N-methylethanolamine and quaternization of the 2nd intermediate with 2 mol (Me)2SO4.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s alkyl halide
599669 ALKYL
6475 ALKYLS
602588 ALKYL
(ALKYL OR ALKYLS)
158689 HALIDE
129732 HALIDES
227032 HALIDE
(HALIDE OR HALIDES)
L31 16835 ALKYL HALIDE
(ALKYL(W)HALIDE)

=> s L28 and L31
L32 1 L28 AND L31

=> d L32 ibib abs

L32 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:467082 CAPLUS
DOCUMENT NUMBER: 136:107363
TITLE: Synthesis and characterization of non-leaching
biocidal polyurethanes
AUTHOR(S): Grapski, J. A.; Cooper, S. L.
CORPORATE SOURCE: Department of Chemical Engineering, University of
Delaware, Newark, DE, 19716, USA
SOURCE: Biomaterials (2001), 22(16), 2239-2246
CODEN: BIMADU; ISSN: 0142-9612
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The biocidal activities of a series of quaternized polyurethanes were examined against *Staphylococcus aureus* and *Escherichia coli*. The percentage of dead cells on a surface was found to depend on the alkyl halide used for quaternization, the concentration of quaternized moieties in the polyurethane, the gram-type of the microorganism, and the contact time of the organism with the surface. N,N-bis(2-hydroxyethyl)isonicotinamide (BIN) was incorporated as the chain extender in a series of poly(tetramethylene oxide)-based polyurethane block copolymers. Three families of materials were synthesized that contained increasing hard segment fractions and therefore increasing concns. of BIN. The pyridine ring in BIN was quaternized with a variety of alkyl halides to form cationic polyurethanes that possessed biocidal activity. The effect of quaternization on material properties was examined with tensile testing, water absorption anal., and contact angle measurements. The antibacterial action of the polymers was investigated with zone of inhibition expts. and fluorescence microscopy, which was established as a reliable technique to determine the viability of organisms attached to a polymer surface.

REFERENCE COUNT:

19

THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s L28 and L11
L33 8 L28 AND L11

=> d 1 L33 ibib abs

L33 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:460015 CAPLUS
DOCUMENT NUMBER: 143:134137
TITLE: Cationic polyurethane water dispersion and its preparation
INVENTOR(S): Zhang, Xuetong; Luo, Yunjun; Wang, Bangqi
PATENT ASSIGNEE(S): Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, No pp. given
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|----------|
| CN 1511880 | A | 20040714 | CN 2002-159275 | 20021230 |
| PRIORITY APPLN. INFO.: | | | CN 2002-159275 | 20021230 |

AB The polyurethane dispersion comprises a cationic water-thinned polyurethane prepolymer 15-45%, a amino-terminated dendritic or super-branched polymer 0.01-3%, higher b.p. solvent [100 <b.p. (at normal pressure) <350°] 0-2% and water 50-80%. The amino-terminated dendritic or super-branched polymer-crosslinked polyurethane has improved tensile strength and elongation at breaking and useful for coatings and adhesives.

=> d 2-8 L33 ibib abs

L33 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:69413 CAPLUS
DOCUMENT NUMBER: 136:118886
TITLE: Associative cationic polyurethanes and their use as thickeners and gelling agents
INVENTOR(S): Mougin, Nathalie; Cottard, Francois; De La Mettrie, Roland; Lion, Bertrand; Maury, Elise
PATENT ASSIGNEE(S): L'Oreal, Fr.
SOURCE: Eur. Pat. Appl., 13 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| EP 1174450 | A1 | 20020123 | EP 2001-401818 | 20010706 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| FR 2811993 | A1 | 20020125 | FR 2000-9609 | 20000721 |
| FR 2811993 | B1 | 20060804 | | |
| CN 1334277 | A | 20020206 | CN 2001-120612 | 20010716 |
| ZA 2001005821 | A | 20020207 | ZA 2001-5821 | 20010716 |
| US 2003124079 | A1 | 20030703 | US 2001-904516 | 20010716 |

| | | | | |
|------------------------|----|----------|-----------------|-------------|
| BR 2001002946 | A | 20020305 | BR 2001-2946 | 20010718 |
| AU 765016 | B2 | 20030904 | AU 2001-54483 | 20010718 |
| CA 2353342 | A1 | 20020121 | CA 2001-2353342 | 20010720 |
| CA 2353342 | C | 20060502 | | |
| HU 2001003041 | A2 | 20020429 | HU 2001-3041 | 20010720 |
| MX 2001PA07393 | A | 20030519 | MX 2001-PA7393 | 20010720 |
| RU 2213102 | C2 | 20030927 | RU 2001-120440 | 20010720 |
| JP 2002105161 | A | 20020410 | JP 2001-221150 | 20010723 |
| US 2004141943 | A1 | 20040722 | US 2004-751514 | 20040106 |
| JP 2006176789 | A | 20060706 | JP 2006-3731 | 20060111 |
| PRIORITY APPLN. INFO.: | | | FR 2000-9609 | A 20000721 |
| | | | US 2001-904516 | A3 20010716 |
| | | | JP 2001-221150 | A3 20010723 |

AB Cationic polyurethanes, useful as thickeners and gelling agents for cosmetics, are based on the formula: $RX(P)n[L(Y)m]rL'(P')pX'R'$ [R, R' = hydrophobic group or H; X, X' = amine group (optionally bearing a hydrophobic group) or L''; L, L', L'' = group derived from a diisocyanate; P, P' = amine group (optionally bearing a hydrophobic group); Y = hydrophilic group; r = 1-100; n, m, p = 0-1000], with the polymers having ≥ 1 of the amine groups being protonated or quaternized and having ≥ 1 hydrophobic group. A typical polymer was manufactured polymerization of 4 mol methylenebiscyclohexyl diisocyanate with 1 mol polyethylene glycol, reaction of the product with 2 mol each stearyl alc. and N-methylethanolamine and quaternization of the 2nd intermediate with 2 mol. (Me)2SO4.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L33 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1999:595076 CAPLUS
 DOCUMENT NUMBER: 131:201392
 TITLE: Water resistance-improving agents for ink-jet recording paper and ink-jet recording paper therefrom
 INVENTOR(S): Yamada, Toshio; Takahashi, Toshiaki; Kinoshita, Hirotaka; Gensho, Toshio
 PATENT ASSIGNEE(S): Nicca Chemical Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|------------|
| WO 9946130 | A1 | 19990916 | WO 1999-JP1139 | 19990310 |
| W: US | | | | |
| RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| JP 11254809 | A | 19990921 | JP 1998-58538 | 19980310 |
| EP 1068959 | A1 | 20010117 | EP 1999-939179 | 19990310 |
| R: CH, DE, FR, GB, LI | | | | |
| PRIORITY APPLN. INFO.: | | | JP 1998-58538 | A 19980310 |
| | | | WO 1999-JP1139 | W 19990310 |

AB Title agents contain cationic polyurethanes prepared from polyisocyanates (A) and tertiary amines (B) having 2-10 OH and/or NH2 groups at an equiv ratio of NCO to (OH + NH2) of 0.5-3.0. A piece of paper was coated with an aqueous solution containing 85:45

HMDI-methyldiethanolamine copolymer Et2SO4 salt to give a paper showing good ink smudge prevention and water resistance (by soaking printed paper in water for 5 min).

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L33 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1997:805710 CAPLUS
 DOCUMENT NUMBER: 128:49713
 TITLE: Manufacture of hydroxy-functional quaternary ammonium compounds and manufacture of cationic polyurethanes
 INVENTOR(S): Gorzynski, Marek A.; Macherey, J. Heribert
 PATENT ASSIGNEE(S): Eka Chemicals AB, Swed.; Gorzynski, Marek A.; Macherey, J. Heribert
 SOURCE: PCT Int. Appl., 19 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 9745395 | A1 | 19971204 | WO 1997-SE873 | 19970527 |
| W: AU, BR, CA, CN, CZ, JP, KR, MX, NO, NZ, PL, RU, SI, SK, US RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| CA 2255844 | A1 | 19971204 | CA 1997-2255844 | 19970527 |
| AU 9729872 | A | 19980105 | AU 1997-29872 | 19970527 |
| EP 904261 | A1 | 19990331 | EP 1997-924459 | 19970527 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, FI | | | | |
| JP 11511792 | T | 19991012 | JP 1997-542192 | 19970527 |
| PRIORITY APPLN. INFO.: | | | SE 1996-2041 | A 19960528 |
| | | | US 1996-19200P | P 19960606 |
| | | | WO 1997-SE873 | W 19970527 |

OTHER SOURCE(S): MARPAT 128:49713
 AB The invention relates to preparation of OH-functional quaternary ammonium compds. and their use in the manufacture of aqueous dispersion of cationic polyurethanes as paper sizing agents. Thus, quaternization of N-methyldiethanolamine (I) with epichlorohydrin in the presence of HCO2H gave (3-chloro-2-hydroxypropyl)-bis(2-hydroxyethyl)methylammonium formate which was combined with I and a glycerol monostearate-TDI precondensate (preparation given) in aqueous Me2CO and the whole was refluxed for 1 h at 40, neutralized with 1M HCl and diluted with H2O to give a polyurethane dispersion (15-17% solids.). The diluted samples (100 mL; 0.5% solids) of the dispersion remained clear when treated with 1-3 mL of saturated aqueous Na2SO4 at 20°. The dispersion at 0.10% dosage gave sized paper with Cobb value of 40, vs. 74 for the paper sized with a similar cationic polyurethane prepared without I.

L33 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1994:77947 CAPLUS
 DOCUMENT NUMBER: 120:77947
 TITLE: Cationic polyurethane compositions, quaternary ammonium salts and their preparation
 INVENTOR(S): Bechara, Ibrahim; Baranowski, Thomas R.
 PATENT ASSIGNEE(S): Witco Corp., USA
 SOURCE: Eur. Pat. Appl., 12 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|----------|-----------------|----------|
| EP 541289 | A1 | 19930512 | EP 1992-309879 | 19921028 |

| | | | | |
|---|----|----------|-----------------|-------------|
| EP 541289 | B1 | 19970312 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE | | | | |
| EP 718276 | A2 | 19960626 | EP 1996-100161 | 19921028 |
| EP 718276 | A3 | 19960710 | | |
| EP 718276 | B1 | 19991222 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE | | | | |
| ES 2100302 | T3 | 19970616 | ES 1992-309879 | 19921028 |
| ES 2143096 | T3 | 20000501 | ES 1996-100161 | 19921028 |
| CA 2081865 | A1 | 19930502 | CA 1992-2081865 | 19921030 |
| JP 05320331 | A | 19931203 | JP 1992-294480 | 19921102 |
| JP 3313785 | B2 | 20020812 | | |
| JP 2002317025 | A | 20021031 | JP 2002-95222 | 19921102 |
| US 5561187 | A | 19961001 | US 1995-440678 | 19950515 |
| US 6221954 | B1 | 20010424 | US 1995-456655 | 19950605 |
| US 5696291 | A | 19971209 | US 1996-729046 | 19961010 |
| PRIORITY APPLN. INFO.: | | | US 1991-786393 | A 19911101 |
| | | | EP 1992-309879 | A3 19921028 |
| | | | JP 1992-294480 | A3 19921102 |
| | | | US 1993-159042 | B1 19931129 |
| | | | US 1994-334450 | A3 19941104 |
| | | | US 1995-440679 | A1 19950515 |

OTHER SOURCE(S): MARPAT 120:77947

AB Quaternized bis(hydroxyalkyl)amine salts are prepared by the reaction of a tertiary amine [especially (hydroxyalkyl)dialkylamine] and slight molar excess alkylene oxide in a strong acid; the salts are reacted with a polyisocyanate and chain-extended with an active-H compound to give a stable latex. Alternatively a polyurethane containing tertiary moieties can react with molar excess of alkylene oxide in strong acid to give cationic polyurethane with pendant OH groups, which can be chain-extended. Thus, reaction of aqueous Me₂NC₂H₅OH with 70% MeSO₃H and then subsequent addition of alkylene oxide gave primarily bis(hydroxyethyl)dimethylammonium methanesulfonate (I). Reaction of I, polypropylene glycol (mol. weight 1000), trimethylolpropane, and Desmodur W in N-methyl-2-pyrrolidinone in presence of usual additives at 90-100° gave a prepolymer with NCO content 2.95%, which was chain-extended by adding to H₂O to give a semicolloidal dispersion.

L33 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1986:554824 CAPLUS
 DOCUMENT NUMBER: 105:154824
 TITLE: Sheet structures
 INVENTOR(S): Schaefer, Walter; Hajek, Manfred; Mueller, Hanns Peter; Dhein, Rolf; Kuechenmeister, Rolf; Sickert, Armin
 PATENT ASSIGNEE(S): Bayer A.-G. , Fed. Rep. Ger.
 SOURCE: Ger. Offen., 23 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| DE 3441934 | A1 | 19860528 | DE 1984-3441934 | 19841116 |
| EP 185184 | A1 | 19860625 | EP 1985-114110 | 19851106 |
| EP 185184 | B1 | 19880831 | | |
| R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE | | | | |
| AT 36865 | T | 19880915 | AT 1985-114110 | 19851106 |
| US 4619966 | A | 19861028 | US 1985-795965 | 19851107 |
| CA 1261993 | A1 | 19890926 | CA 1985-494805 | 19851107 |
| JP 61120675 | A | 19860607 | JP 1985-255210 | 19851115 |
| PRIORITY APPLN. INFO.: | | | DE 1984-3441934 | A 19841116 |
| | | | EP 1985-114110 | A 19851106 |

AB Water- and solvent-resistant coatings for heat-resistant substrates contain anionic polyisocyanate adducts with the structure -NHCONCN-, formed from polyisocyanates, cyanamide salts, and NH₃ or volatile amines. Thus, stirring 169.6 g polyester (mol. weight 1700, from adipic acid and 11:6 1,6-hexanediol-neopentyl glycol) with 350 g tris(isocyanatoethyl)biuret at 120° for 3 h gave a composition containing 13.2% NCO. Adding 450 g this product to 58.6 g cyanamide and 141 g triethylamine in 150 mL EtOAc at ≤25°, stirring 15 min, removing EtOAc, and adding 650 mL H₂O gave a 50% solution with viscosity 260 mPa·s at 22°. Baking this solution on glass at 100-140° for 15 min gave a glossy, transparent film resisting boiling water, acetone, and rubbing with DMF.

L33 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1979:475673 CAPLUS

DOCUMENT NUMBER: 91:75673

TITLE: Water-dispersible ionic polyurethane binder for nonwoven fabrics

INVENTOR(S): Taft, Arnold J.

PATENT ASSIGNEE(S): Personal Products Co., USA

SOURCE: Can., 43 pp.

CODEN: CAXXA4

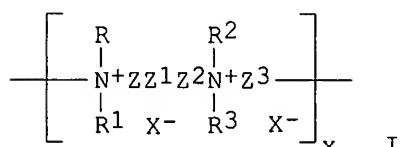
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------------|-----------------|------------|
| CA 1053993 | A1 | 19790508 | CA 1975-236680 | 19750930 |
| US 4002171 | A | 19770111 | US 1975-558989 | 19750317 |
| PRIORITY APPLN. INFO.: | | US 1975-558989 | | A 19750317 |
| GI | | | | |



AB Binders for nonwoven rayon webs which do not disintegrate in contact with biol. fluids, have good strength properties, and are dispersible in H₂O to facilitate disposal by flushing comprise a cationic polyurethane with a repeating unit I where R, R₁, R₂, R₃ = C₁₋₄ alkyl; Z, Z₂ = (CH₂)_n, n = 1-4; Z₁ = a linking condensation residue of a polyisocyanate with a polyol containing ≥4 urethane linkages; Z₂ = (CH₂)_m, m = 2-4; X = Cl, Br with the equivalent weight of I divided by the number of N⁺ in I being 500-2000. A typical ionene polyurethane [70987-56-3] was prepared by condensing polypropylene glycol (mol. weight 2025) 1, 2,4-TDI 2.0-2.1, and 2-(dimethylamino)ethanol 2 mol and quaternizing with 2 mol trans-1,4-dichloro-2-butene.

L33 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1977:107969 CAPLUS

DOCUMENT NUMBER: 86:107969

TITLE: Water-dispersible ionic polyurethane binder for nonwoven fabrics

INVENTOR(S): Taft, Arnold J.

PATENT ASSIGNEE(S): Personal Products Co., USA

SOURCE: U.S., 11 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|------------|
| US 4002171 | A | 19770111 | US 1975-558989 | 19750317 |
| CA 1053993 | A1 | 19790508 | CA 1975-236680 | 19750930 |
| DE 2610792 | A1 | 19761007 | DE 1976-2610792 | 19760315 |
| PRIORITY APPLN. INFO.: | | | US 1975-558989 | A 19750317 |

AB Absorbent products containing water-dispersible cationic polyurethane binders exhibit adequate tensile strength and retain their structural integrity when in contact with salt solns. such as body fluids yet are readily dispersible in water or aqueous solns. of relatively low ionic strength so the products may be flushed away after use. Thus, a diisocyanate-terminated poly(1,4-oxybutylene) [25190-06-1] with number average mol. weight 1330 was treated with 2-dimethylaminoethanol [108-01-0] for 1.5 h at 60-70°. Then trans-1,4-dichloro-2-butene [110-57-6] was added followed by 4,4'-methylenebis(2-chloro-aniline and the reaction mixture was heated 18 h at 50-60°. The quaternized polyurethane binder was used to prepare a nonwoven rayon cover for sanitary napkins which were resistant to body fluids but dispersible in water.

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF